

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



62.05

YOUR

# Arizona Planting Guide

1943



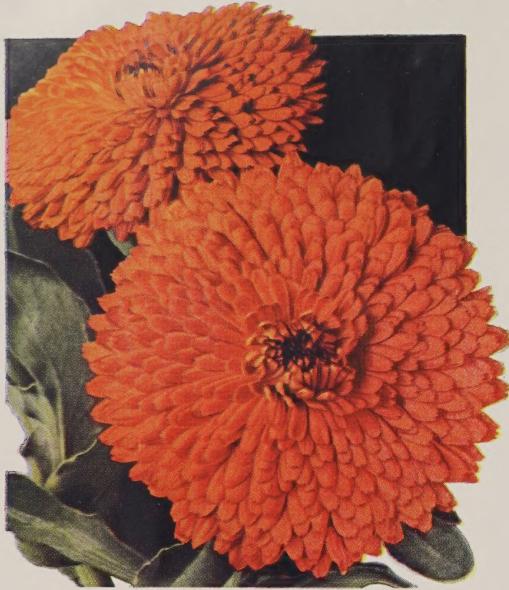
CROWN O'  
GOLD  
ZINNIAS  
Pastel Tints  
Pkt. 15c

See page 15

**Liebgreen** **SEED**  
**COMPANY**   
339 W. VAN BUREN • PHOENIX, ARIZONA.

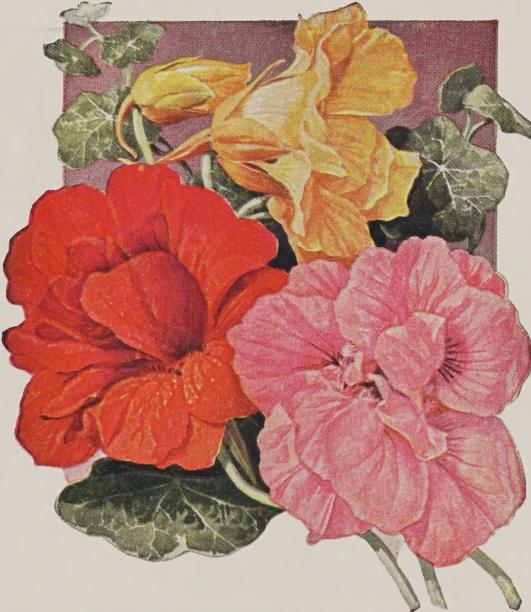
# Seeds of Quality Selected and Tested Stock

ALL POSTPAID



**CALENDULA, CAMPFIRE SENSATION IMPROVED**

One of the finest winter flowers, for its large showy brilliant orange flowers have excellent form and are fully double. Showy in beds and fine for cutting. Pkt. 15c, 1/4 oz. 35c, oz. 90c.



**NASTURTIUM, DOUBLE GLORIOUS GLEAM HYBRIDS**

Low bushy plants seldom over 15 inches high, bearing large, showy double flowers in several colors. Attractive foliage and neat habit of growth makes them useful in the flower border and also uniform enough for edging. Pkt. 10c, oz. 20c, 1/4 lb. 60c.



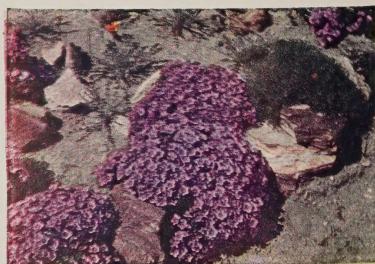
**PETUNIA BETSY ROSS**

Dwarf type with ruffled flowers; one of a group of compact, free-flowering Petunias. Pkt. 25c, 5 pkts. \$1.



**PETUNIA RADIANCE**

Very bright flowers of rich rose with brownish veins and yellow throat. An outstanding variety growing to a uniform height and blooming freely. Pkt. 25c, 5 pkts. \$1.00.



**NIEREMBERGIA PURPLE ROBE**

A new development of the popular Nierembergia hippocrepis with deep purple flowers. Free flowering and very worth while. Pkt. 25c, 5 pkts. \$1.00.

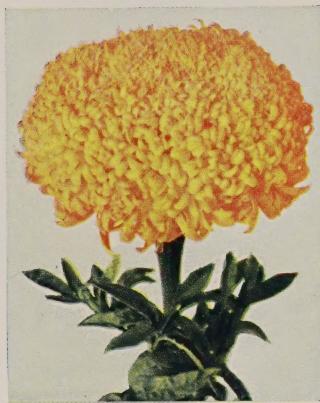
# for Flowers to Beautify the Home and Garden

ALL POSTPAID



**AGERATUM MIDGET BLUE**

This very dwarf variety forms very compact plants, freely covered with fluffy blue flowers over a long season. Pkt. 25c, 5 pkts. \$1.00.



**MARIGOLD GOLDSMITH**

One of the newer Chrysanthemum flowered Marigolds—which are among our showiest summer flowers. Pkt. 25c, 5 pkts. \$1.00.



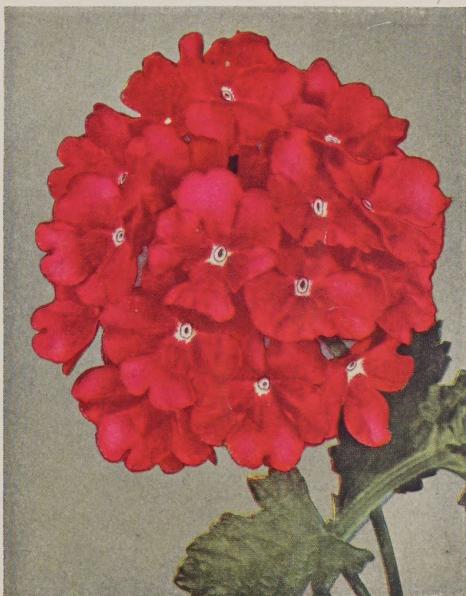
**MARIGOLD HARMONY**

The smaller French Marigolds have a definite place in the flower garden. They are essentially dwarf, compact growing and produce many flowers over a long season. Pkt. 10c,  $\frac{1}{4}$  oz. 35c, oz. \$1.00.



**PANSY, STEELE'S SUPER SWISS JUMBO MIXED**

Of the many strains of Pansy available to gardens today, this ranks among the finest. The large, usually round, flowers come in many pleasing colors. Pkt. 50c; large pkt. \$1.00;  $\frac{1}{16}$  oz. \$1.50;  $\frac{1}{8}$  oz. \$2.75;  $\frac{1}{4}$  oz. \$5.00.



**VERBENA HYBRIDA GIANT (SPECTRUM RED)**

Spectrum red is one of the largest flowering Verbena and as the name implies is an intense bright red, brighter than any other Verbena. Individual florets are  $1\frac{1}{4}$  inches in diameter. Plants grow about one foot high and spread 18 inches. Pkt. 15c,  $\frac{1}{8}$  oz. 75c,  $\frac{1}{4}$  oz. \$1.25.

# Showy Flowers Make Beautiful Gardens



**DELPHINIUM, GOLD MEDAL HYBRIDS**

Tall stately Delphiniums, with long spikes of double, lovely colored flowers are fine toward the back of the border. These hybrids are among the best. Pkt. 15c,  $\frac{1}{8}$  oz. 30c,  $\frac{1}{4}$  oz. 50c, oz. \$1.50.



**TITHONIA FIREBALL**

Great tall perennials making an excellent screen of foliage studded with large, showy flowers in hot summer. Pkt. 25c, 5 pkts. \$1.00;  $\frac{1}{8}$  oz. 60c.



**PHLOX SALMON GLORY**

Light salmon colored flowers with white eyes in showy compact heads. Height 12-18 inches. Pkt. 25c, 5 pkts. \$1.00.



**DIANTHUS (PINKS) SINGLE HEDDEWIGGI**

Well known to all. They do well in our soil and climate. Easy to grow. Pkt. 10c,  $\frac{1}{2}$  oz. 40c, oz. 75c.



**ARCTOTIS HYBRIDS MIXED**

Free flowering annuals with quantities of showy flowers on foot high stems. Several colors, each with a contrasting zone. Pkt. 15c,  $\frac{1}{16}$  oz. 60c.

# GOOD SEEDS . . . First Essential of Successful Growing

## YOUR PURCHASE OF SEEDS IS A MATTER OF CONFIDENCE

LIEFGREEN SEED COMPANY, INC., sell only seed of SUPERIOR QUALITY. Your greatest assurance of crop success is OUR TESTED RELIABLE SEED.

We purchase seed only from growers who have proven their reliability through our years of experience in dealing with them. New strains and types are all tried out in this climate before they are offered to our discriminating trade. All seed offered in this catalog have been tested and proven as the best types and strains for successful planting in this and similar climates.

### Snapdragons

#### ANTIRRHINUM

##### LIEFGREEN'S TALL GIANT FLOWERING

See color illustration, page 13. Height 2½ to 3 feet. Plant in a sunny location during the fall and spring months. Thin out plants to about 10 inches apart. Lovely as cut flowers. Excellent bedding and border plants. Will carry through the hot summer months if cut back and high shaded. We offer named varieties:

**SHASTA**—Pure white.

**YELLOW JACKET**—Golden yellow.

**BRILLIANT ROSE**—Soft rose pink.

**BRONZE HARMONY**—Terra cotta.

**CARDINAL**—Bright scarlet.

**WALLFLOWER RED**—Maroon,

satiny sheen.

Each color: Pkt. 15c, ½ oz. 50c, ¼ oz. 85c, ½ oz. \$1.50.

**TALL MIXED ANTIRRHINUM or SNAPDRAGONS**—A selected mixture of many colors. Pkt. 10c, ½ oz. 40c, ¼ oz. 70c, oz. \$2.00.

##### LIEFGREEN'S SEMI-DWARF SNAPDRAGONS

Height about 15 inches. Equally as lovely as the Tall Giant Flowering type. Excellent named varieties:

**FASCINATION**—Deep pink.

**DAZZLER**—Bright scarlet.

**WHITE WONDER**—Pure white.

**LUTEUM SUPERBUM**—Clear yellow.

**VICTORY**—Terra cotta, orange bronze.

Each color: Pkt. 15c, ½ oz. 50c, ¼ oz. 85c, ½ oz. \$1.50.

**SEMI-DWARF VARIETIES MIXED**—All colors. Pkt. 10c, ½ oz. 40c, ¼ oz. 70c, 1 oz. \$2.00.



Giant Flowering Snapdragons

### SNAPDRAGON COLLECTION OFFERS

#### Collection No. 1

##### TALL VARIETIES

1 Pkt. each of above named varieties—6 pkts. 90c value.

**75c postpaid**

#### Collection No. 2

##### SEMI-DWARF VARIETIES

1 Pkt. each of above named varieties—5-15c pkts. (75c value).

**60c postpaid**

## NEW FLOWER VARIETIES FOR 1943

Liefgreen Presents Three of the Most Promising for Arizona Gardens



**MARIGOLD SUNKIST**

Silver Medal, All-America Selections

A very dwarf tight growing French Marigold not over 8 inches high yet completely covered with very double 2-inch flowers of deep golden orange. Supreme as an edging plant. Pkt. 25c, 5 pkts. \$1.00.



**PETUNIA ALL-DOUBLE AMERICA**

Silver Medal, All-America Selections

This is the first all double Petunia produced in America. Compact plants grow one foot high and spread about 1½ feet. A lovely rose-pink. Pkt. 50c.



**COSMOS SENSATION DAZZLER**

Honorable Mention, All-America Selections

Now a beautiful rich, deep velvety maroon can be added to the border of Sensation Cosmos. Dazzler has immense flowers with broad, fluted petals. The same sturdiness of Pinky and Purity is found here and equal for cutting. Pkt. 25c, 5 pkts. \$1.00.

# Buy Liefgreen's Carefully Selected Seeds

## GENERAL PLANTING DIRECTIONS FOR GROWING FLOWERS FROM SEED

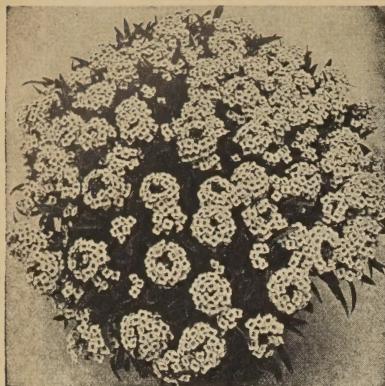
**LOCATION:** Nearly all flowers do well in sunny locations. Only a few can be grown in the shade. For flowers blooming in the late spring, high shade from the hot afternoon sun should be provided.

**SOIL:** Light, rich loamy soil is best suited for flowers. To improve heavy soils and conserve moisture, add peat moss and sand liberally. Spade the soil deeply and make the top 3 or 4 inches as fine and loose and smooth as possible. Well rotted manure worked into the soil before planting may be used if desired.

**SOWING THE SEED:** Fine seeds should be planted on the surface and a very little soil sprinkled over them, after which they should be pressed firmly to the soil with a board. Medium size seeds may be planted twice the depth of their diameter, or from  $\frac{1}{4}$  to  $\frac{1}{2}$  inch deep. Larger seeds, such as sweet peas, should go deeper.

**WATERING:** After planting, water with a fine spray to avoid washing the soil from the seed. Keep top soil damp—not wet—until germination. When large enough, thin plants from 2 to 12 inches, depending upon the variety. Water plants thoroughly ONLY at intervals—not daily. Watering depends upon the time of year, texture of soil and nature of plant.

**FERTILIZER:** We recommend the use of an all-purpose commercial fertilizer as a top dressing after the plants are up, to stimulate and properly feed the plants.



Sweet Alyssum

### Ageratum

**MIDGET BLUE**—See color illustration, page 3. This is an ideal annual edging for flower beds and for borders. The flowers are fluffy bright azure-blue, growing in clusters and entirely covering the plants. Height about 4 inches. Pkt. 25c, 5 pks. \$1.00.

**BLUE PERFECTION**—A very fine bedding sort, compact and large flowered. Color a deep amethyst blue. Height 1 ft. Pkt. 10c,  $\frac{1}{4}$  oz. 35c, oz. 90c.

### African Daisy

(*Dimorphotheca aurantiaca*)

One of the best winter flowering annuals. The bright daisy-like flowers appear on stems about a foot high and cover beds, borders and parkings with a mass of blooms. Blooms within six to eight weeks.

**NEW ORANGE IMPROVED**—Large flowers, bright deep orange. Pkt. 10c,  $\frac{1}{4}$  oz. 40c, oz. \$1.25.

**GLISTENING WHITE (New)**—Dazzling white petals with blue-black center. Pkt. 15c,  $\frac{1}{8}$  oz. 75c,  $\frac{1}{4}$  oz. \$1.25.

**HYBRIDS**—Mixed colors ranging from white, light pink, apricot, yellow and orange. Pkt. 10c,  $\frac{1}{4}$  oz. 40c, oz. \$1.25.

### Sweet Alyssum

In valuable as a border plant. Annual. Plant from early fall to late spring. Blooms within six to eight weeks.

**VIOLET QUEEN (New)**—Dwarf, bright violet. Really beautiful. Pkt. 15c,  $\frac{1}{4}$  oz. 35c,  $\frac{1}{2}$  oz. 65c, oz. \$1.25.

**LITTLE GEM**—Dwarf, white; free blooming. Pkt. 10c,  $\frac{1}{4}$  oz. 25c, oz. 75c.

**LILAC QUEEN**—Dwarf, deep lavender. Pkt. 10c,  $\frac{1}{2}$  oz. 40c, oz. 75c.

**MIXED SWEET ALYSSUM**—A well blended mixture of dwarf varieties. Pkt. 10c,  $\frac{1}{2}$  oz. 35c, oz. 60c.

### Amaranthus

(*Love Lies Bleeding*)—Annual plants with strikingly beautiful ornamental foliage. Excellent for tropical effect.

**CAUDATUS**—Bright crimson flowers in drooping panicles. Height 2 to 3 feet. Open, sunny location. Pkt. 10c,  $\frac{1}{4}$  oz. 20c, oz. 50c.



Candytuft, Giant Hyacinth Flowered

### Anagallis

Annual. Height about 1 foot. Lovely medium size daisy-like flowers in many brilliant hues, reds and blue predominating. Plant in the open in a sunny location.

**MIXED COLORS**—Pkt. 10c,  $\frac{1}{4}$  oz. 25c, oz. 75c.

### Anemones (Wind Flower)

**GIANT FRENCH MIXED**—Easily grown from seed. Plant seed during fall and winter months. Pkt. 25c,  $\frac{1}{8}$  oz. 60c.

### Arctotis

Sow in beds in fall or early spring.

**GRANDIS (Blue-Eyed African Daisy)**—Half hardy annual bearing daisy-like flowers. Color pearl white and mauve center. Height 2 ft. Pkt. 10c,  $\frac{1}{4}$  oz. 30c.

**HYBRIDS MIXED**—Flowers in many shades of pink, rose, yellow, etc., with a dark disc in center. A half-hardy annual growing about 1 foot high. Free flowering. See color illustration, page 4. Pkt. 15c,  $\frac{1}{16}$  oz. 60c.

### Asters

Asters are best suited to the higher altitudes of Arizona. We have a new early flowering type, wilt-resistant. The petals are wide and closely placed and the colors are new and varied. Plant in the open after danger of frost.

**AMERICAN BEAUTY EARLY**—Mixed colors only. Pkt. 10c,  $\frac{1}{4}$  oz. 50c, oz. \$1.50.

### Asparagus Fern

**PLUMOSUS**—Perennial, used as a vine when fastened to a trellis; also used in pots and hanging baskets. Feathery delicate foliage is used extensively with cut flowers. Soak seed in water before planting. Pkt. 10c,  $\frac{1}{4}$  oz. 80c.

**SPRENGERI**—A more hardy variety than Plumosus. Used mostly in pots and hanging baskets. A very decorative perennial. Pkt. 10c,  $\frac{1}{4}$  oz. 55c.

### Bachelor Button or Cornflower

(*Centaurea Cyanus*) Hardy annual requiring little care. Height 12 to 14 inches. Nice as a cut flower alone or in mixed bouquets.

**FLORIST'S BLUE**—Large flowers, bright deep blue. Pkt. 10c, oz. 60c.

**MIXED COLORS**—Light and dark blues, white, rose pink and light red shades. Pkt. 10c, oz. 40c.

### Balsam

(*Lady Slipper*) Tender annual used for beds and borders. Height about 2 feet. Camellia-like flowers. Plant in semi-shade during the spring months.

**MIXED COLORS**—Pkt. 10c,  $\frac{1}{4}$  oz. 30c, oz. 75c.



Carnation, Chabaud's Giants

# Colorful Spring Flowers Beautify the Home

## Browallia

**ELATA BLUE**—Very free flowering half hardy annual. Flowers are a unique amethyst blue in height 18 inches. Excellent for bedding or cutting. Pkt. 10c,  $\frac{1}{4}$  oz. 40c, oz. \$1.25.

## Cactus

Cactus seed should be planted during the spring and summer months in natural desert soil or a mixture of sand, fine silt and leaf mold. Seed should be planted shallow and kept slightly moist until germination, then watered sparingly.

**MIXED VARIETIES**—Including many rare sorts Pkt. 25c, 5 pkts. \$1.00.

## Calendula

(Pot Marigold) One of the most popular and showiest of the winter and spring blooming flowers. Used for beds, borders and cut flowers. Plant from September throughout the winter and early spring months. Height about 12 to 18 inches. Thin to 12 inches apart.

**CAMPFIRE SENSATION IMPROVED**—Extra large, deep orange with scarlet sheen. See color illustration, page 2. Pkt. 15c,  $\frac{1}{4}$  oz. 30c, oz. 90c.

**CHRYSANTHA FLOWERED**—Resembling a chrysanthemum in an exquisite buttercup yellow. Pkt. 10c,  $\frac{1}{2}$  oz. 40c, oz. 75c.

**ORANGE SHAGGY**—Petals deeply fringed and overlapping. Bright orange. Pkt. 10c,  $\frac{1}{2}$  oz. 40c, oz. 75c.

**ORANGE KING**—Deep orange red with dark center. Large flowers. Pkt. 10c, oz. 40c.

**LEMON QUEEN**—Rich clear lemon yellow with dark center. Large flowers. Pkt. 10c, oz. 40c.

**RADIO**—Golden yellow with petals evenly and prettily quilled. Pkt. 10c, oz. 50c.

**APRICOT QUEEN**—Soft apricot shaded orange, dark center. Pkt. 15c,  $\frac{1}{4}$  oz. 30c,  $\frac{1}{2}$  oz. 50c, oz. 90c.

**DOUBLE MIXED CALENDULAS**—Large flowers, long-stemmed varieties and colors. Pkt. 10c, oz. 40c.

## Calliopsis

Showy and beautiful free-flowering annual thriving in most any location except complete shade. Have a long blooming period and make lovely bouquets. Plant from September to May. Height 2 to 3 ft.

**BI-COLOR DWARF MIXED**—Yellow with dark center. Pkt. 10c, oz. 40c.

## Candytuft

A hardy annual producing large flower clusters resembling hyacinths. Plant during the fall, winter and early spring months. Height 12 to 18 inches. Fine for borders or cutting.

**UMBELLATA MIXED**—Pkt. 10c, oz. 40c.

**Giant White Hyacinth Flowered**—A giant Candytuft bearing immense snowy white spikes, which often measure 10 inches or more. Don't fail to give this a trial. Pkt. 10c,  $\frac{1}{2}$  oz. 30c, oz. 50c.

## Canna

**CROZY'S MIXED**—A wide range of colors. Pkt. 10c,  $\frac{1}{4}$  oz. 20c, oz. 60c.

## Canterbury Bells

Generally a biennial but will bloom in Arizona the first spring if planted early in the fall months. Large bell-shaped flowers on strong growing plants. An old favorite. Height 2 ft. Mixed colors: Pkt. 10c,  $\frac{1}{4}$  oz. 40c, oz. \$1.25.

## Castor Bean

(*Ricinus*) Tall, tree-like, excellent for quick shade. Annual. Very ornamental with large attractive leaves, producing a beautiful tropical effect. Height 6 to 8 feet. Plant in spring and early summer months. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c.

## Carnation

Plant from September until April. Cover seed lightly and protect until established. Transplant to about 12 inches apart. Perennial if in semi-shade during the summer months. Height about 18 inches.

**MARGUERITE MIXED**—Flowers mostly double in an excellent range of colors. Pkt. 10c,  $\frac{1}{4}$  oz. 50c, oz. \$1.75.

**CHABAUD'S GIANT FLOWERING IMPROVED**—A magnificent strain and one of the largest carnations grown. Ten to 20 stalks to the plant. About 95 per cent double. Height 19 to 24 inches. Pkt. 20c,  $\frac{1}{4}$  oz. \$1.00,  $\frac{1}{2}$  oz. \$1.75.

## Sweet Sultan

**CENTAUREA MOSCHATOS**—The large thistle-like blossoms are a well known favorite growing to a height of 2½ feet. Colors range from deep lavender, rose, pink, yellow and white. Plant in the open during the fall months. Mixed Colors—Pkt. 10c,  $\frac{1}{4}$  oz. 30c, oz. 75c.

## Celosia (Cockscomb)

**CELOSIA CRISTATA**—Showy, sun-loving annuals. Sow seed in the early spring after frost period. Transplant or thin to 10 inches apart. Produce ornamental plants with magnificent combs of velvety flowers.

**TALL MIXED**—Shades of red, pink, and yellow, about 18 in. high. Pkt. 10c,  $\frac{1}{4}$  oz. 30c, oz. 90c.

**TALL CRIMSON**—Brilliant velvety crimson combs on stems 2 ft. tall. Pkt. 10c,  $\frac{1}{4}$  oz. 30c, oz. 90c.

**EMPEROR**—Dwarf rich crimson about 1 foot high. Dark foliage. Pkt. 15c,  $\frac{1}{8}$  oz. 35c, oz. 1.75.

**CELOSIA PLUMOSA**—Feathered Cockscomb. Tall feathered plumes 2 ft. or more in height. Very decorative for summer beds or borders.

**Mixed Only**—Colors range from clear yellow to deepest blood red. Pkt. 10c,  $\frac{1}{4}$  oz. 25c, oz. 75c.

**CELOSIA**—*PLUMOSA*—Feathered Cockscomb.

Tall feathered plumes 2 ft. or more in height.

Very decorative for summer beds or borders.

**Mixed Only**—Colors range from clear yellow to deepest blood red. Pkt. 10c,  $\frac{1}{4}$  oz. 25c, oz. 75c.

## Celosia Childsii — Chinese Woolflower

Flowers resemble huge balls of wool. Plant in early spring in a sunny situation. When cut and hung to dry make unusual everlasting flowers. Height 3 feet.

**Mixed Colors**—Include crimson, pink, rose and yellow. Pkt. 10c,  $\frac{1}{8}$  oz. 30c,  $\frac{1}{4}$  oz. 50c.

## Chrysanthemum (Annual)

Plant seed during the spring months and bud for large blooms.

**SINGLE and DOUBLE MIXED**—Many bright shades and varieties. Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 40c.

## Clarkia

A hardy annual very popular as it thrives well in semi-shady locations. Handsome flowers on leafy stems—nice for beds or cutting. Height 18 inches. Plant in the fall or early spring.

**SINGLE AND DOUBLE MIXED**—Many colors ranging from bright crimson, orange, salmon, pink and purple. Pkt. 10c,  $\frac{1}{4}$  oz. 35c, oz. \$1.00.

## Coleus

Brilliantly colored foliage plants for beds, borders, pots, or edgings to taller plants. Plant in the early spring. Height 1 to 2 ft. Wonderful shades and combinations. Pkt. 25c.

## Coreopsis

Plant seed during the fall and winter months in any location except all shade. The lovely golden yellow flowers have a long blooming period throughout the spring and early summer months. Height 2 ft. Nice for cutting. Perennial.

**NEW DOUBLE SUNBURST**—Large double flowers. Very bright and showy. Pkt. 10c,  $\frac{1}{2}$  oz. 75c.

**ARIZONA SUNBEAM**—Very large golden flowers. Single. Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 45c.



Columbine, Long Spurred Hybrids

## Columbine

(*Aquilegia*) Plant in semi-shade during the fall and winter months. Will make vigorous plants with delicate lacy-like foliage and bloom abundantly the following spring. Perennial. Height about 2 to 3 feet.

**LONG-SPURRED HYBRIDS**—A superb strain producing very beautiful large flowers in all shades of blue, lavender, yellow, rose and white. Mixed colors: Pkt. 15c,  $\frac{1}{16}$  oz. 40c,  $\frac{1}{8}$  oz. 65c,  $\frac{1}{4}$  oz. \$1.00, oz. \$3.00.

## Easily Grown Showy Flowers

### FOR SUMMER

Cockscomb	Nasturtium
Gaillardia	Sunflower
Hollyhock	Verbena
Marigold	Zinnia

### FOR WINTER

African Daisy	Petunia
Calendula	Poppies
Candytuft	Snapdragons
Larkspur	Stocks



Coreopsis, Double Sunburst

# All LIEFGREEN'S Flower Seeds Are Shipped Postpaid



*Cosmos, Sensation Mixed*

## Cosmos

For a lovely garden during the summer and fall months, plant both early and late varieties of *Cosmos* throughout the spring and early summer months. Very graceful finely cut foliage with large, long-stemmed flowers. Plants are bushy, ranging from 5 to 8 feet high. Height may be controlled by pinching out center bud. Effective in any situation and make lovely cut flowers. Blooms within 8 to 10 weeks. Annual.

## Fluted and Double Peerless

Unsurpassed as an easily grown annual for the summer garden. These are double *Sensation* producing about 65 per cent with fully double centers surrounded by broad showy petals. 3-4 feet tall producing many flowers over a very long period.

**PEERLESS PINK LADY**—Fluted and crested flowers; two kinds of flowers. The crested flowers have centers 2 inches across. Pkt. 25c, 5 for \$1.00.

**PEERLESS WHITE CLOUD**—Soft velvety white flowers on 15-inch stems. Excellent for cutting. Pkt. 25c, 5 for \$1.00.

**PEERLESS MIXED**—Contains the above and a dark crimson selection similar in habit. Very early blooming. Pkt. 20c, 3 for 50c.

## Early Mammoth

Extremely large flowers in pink, crimson and white.

**EARLY MAMMOTH MIXED**—Pkt. 10c, 1/2 oz. 25c, oz. 45c.

## Early Double Crested

Flowers large and mostly double with a crest of narrow petals in the center. Mixed colors: Pkt. 15c, 1/8 oz. 40c, 1/4 oz. 75c, 1/2 oz. \$1.50.

## New Sensation Cosmos

**SENSATION DAZZLER**—New. Luscious shade of rich deep velvety maroon. Flowers immense, four inches across with broad heavy fluted petals. Excellent for cutting. Pkt. 25c, 5 pkts. \$1.00.

**SENSATION PINKIE**—Flowers of immense size in a delightful bright rose pink. See color illustration page 46. Pkt. 15c, 1/4 oz. 30c, 1/2 oz. 50c, oz. 90c.

**SENSATION MIXED**—Very large flowers in colors of deep rose, light pink and white. Pkt. 10c, 1/4 oz. 20c, 1/2 oz. 35c, oz. 60c.

## Orange Yellow Cosmos

**EARLY KLODIE ORANGE FLARE**—Bright orange. Blooms very early. Dwarf. Pkt. 10c, 1/4 oz. 25c, oz. 75c.

## DAISIES

Not all Daisies look alike, for in this group are some of the finest garden flowers. Easy to grow, sure to bloom and dependable for bouquets for a long time each summer. See also *Arctotis* and *Dimorphotheca*, for winter bloom.

## Double Daisy

(*Bellis Perennis*) Plant early in the fall for early spring blooms at which time it blossoms freely. Nice for borders as it grows only 4 to 5 in. high.

**MIXED COLORS**—Pkt. 10c, 1/4 oz. 60c.

## Shasta Daisy

A perennial which may be planted from early fall until late spring. Does well in any situation except complete shade. Valuable for bedding out borders and makes a lovely cut flower. Glistening white petals with yellow center.

**ALASKA**—The best large flowered single variety. Long, strong stems. Pkt. 10c, 1/8 oz. 40c, 1/4 oz. 65c.

**GIANT DOUBLE (DIENER'S STRAIN)**—Very large and about 80 per cent very double, resembling a delicate shaggy chrysanthemum. New and unusual. Pkt. 25c.

## Painted Daisy

(*Annual Chrysanthemum*) Daisy-like flowers are varied and many colored. Large blooms on long stems, making them particularly valuable for cut flowers. Plant during the fall months. Height to about 2 1/2 feet. All colors mixed: Pkt. 10c, oz. 45c.

## Delphinium

(*Perennial Larkspur*) Tall spikes heavily flowered. Sow seed during the early fall months in the open where they will receive high shade during the flowering period. Height 3 feet.

**BELLAMOSUM**—A deep royal blue. Pkt. 15c, 1/8 oz. 45c, 1/4 oz. 75c, 1 oz. \$2.25.

**GOLD MEDAL HYBRIDS**—A mixture of lovely blues, lavender and mauve shades. See color illustration page 4. Pkt. 15c, 1/8 oz. 30c, 1/4 oz. 50c, 1 oz. \$1.50.

## Dianthus

(*Chinese Pinks*) Hardy annuals, bearing beautifully colored single and double blossoms. Grows about 12 inches high. Plant early in the fall in rows where plants are to remain. Thin to 8 inches apart.

**HEDEWIGI DOUBLE MIXED**—All colors in scarlet, pink, and white. Pkt. 10c, 1/2 oz. 50c, oz. 90c.

**HEDEWIGI SINGLE MIXED**—Fine selection of colors. See color illustration page 4. Pkt. 10c, 1/2 oz. 40c, oz. 75c.

## Blue Lace Flower

**DISCUS COERULEUS**—An annual about 18 inches high. Beautiful clusters of light blue flowers resembling lace, on long stems. Plant in the open where plants are to remain. Easily grown although seed germinates slowly. Keep damp, use a light mulch on top soil. Pkt. 10c, 1/4 oz. 50c.

## Digitalis

(*Foxglove*) Particularly adapted to the higher altitudes but will do well in warmer climates when planted in partial shade. Tall growing plants with very showy blooms. Annual.

**FINEST MIXED**—Salmon, yellow, purple, rose and white with blotched throats. Pkt. 10c, 1/4 oz. 30c, oz. 75c.



*Shasta Daisies*

## Euphorbia

Strong growing annual about 2 feet in height. The flowers are small. Grown particularly for its very ornamental foliage.

**VARIEGATA (SNOW ON THE MOUNTAIN)**—Leaves heavily margined white. Pkt. 10c, 1/4 oz. 25c, 1/2 oz. 40c, oz. 75c.

**HETEROPHYLLA (ANNUAL POINSETTIA OR MEXICAN FIRE PLANT)**—Bushy plant growing to a height of 3 feet. In mid-summer center of leaves turn scarlet giving the general effect of the poinsettia. Pkt. 10c, 1/4 oz. 30c, 1/2 oz. 50c, oz. 90c.

## Evening Scented Stocks

(*MATHIOLA*)

A delightful free-flowering annual, 6 to 8 inches in height. Flowers are purple and are noted for their fragrance emitted during the evening. Plant during fall and winter months. Pkt. 10c, 1/4 oz. 20c, 1/2 oz. 30c.

## Forget-Me-Not

(*Myosotis*) Small blue star-like flowers in clusters. Plant in the early spring months and transplant to a cool, damp location. Annual. Height 1 foot. Pkt. 10c, 1/8 oz. 25c, 1/4 oz. 40c.

## Four O'Clock

(*Marvel of Peru*) Symmetrical bushes growing to a height of 2 feet and bearing red, yellow or white flowers. Plant during the early spring months. All colors mixed: Pkt. 10c, oz. 30c.

## Gaillardia

Effective and valuable summer flowering plants for bedding, borders and for cutting. Sow seed from early fall on through the spring months for a succession of blooms throughout the spring and summer months. Height 1 1/2 ft.

**SINGLE AND DOUBLE MIXED**—Very large flowers in splendid combinations of crimson, red, yellow and gold. Perennial. Pkt. 10c, 1/4 oz. 50c, oz. 75c.

**THE DAZZLER**—Perennial. A vivid orange red with outer edge of petals a golden yellow. Very large. See color illustration page 46. Pkt. 15c, 1/4 oz. 50c, oz. \$1.50.

**INDIAN CHIEF**—Large flowered and single. Metallic bronzy red with mahogany-brown center. Annual. Pkt. 15c, 1/4 oz. 25c, oz. 50c.

# Liefgreen's Flower Seeds Have Places in Victory Gardens

## Godetia

Very lovely annual plants specially suited for semi-shady locations. The flowers are bright and colorful somewhat resembling the Azalea in form. Stems are long, making them valuable for cut flowers.

**TALL DOUBLE MIXED**—Many colors including crimson, salmon, pink and white. Pkt. 10c, 1/4 oz. 25c, oz. 75c.

## Gypsophila

**(Baby Breath)** The light feathery sprays of tiny flowers are very popular for mixing with other flowers. Sow seed during the fall months where they are to remain. Height about 18 inches.

**ELEGANS GRANDIFLORA**—Pure white. Pkt. 10c, oz. 25c.

**ELEGANS CARMINE**—A beautiful deep carmine in color. Pkt. 10c, oz. 60c.

## Heliotrope

Small flowers but very fragrant. Forms a large plant 4 to 8 feet high and requires a roomy situation. Plant during the early spring months.

**DARK BLUE**—Pkt. 15c, 1/8 oz. 50c, 1/4 oz. 85c.



Godetia, Tall Double

Gypsophila elegans grandiflora

## Geranium

Geraniums will bloom the first year from seed if planted early in the fall. Our mixture contains numerous shades of color, including many of the newest sorts. Pkt. 25c.

## Transvaal Daisy

**GERBERA JAMESONII HYBRIDS**—Large daisy-like blossoms with flower stems rising to a height of about 2 feet. Colors range from white to crimson, pink, yellow and lilac shades. Start carefully under a light mulch in a sandy, well-drained soil. Pkt. 25c, 3 for 60c.

## Geum

Plant seed in the spring for a long blooming period during the summer months. Flowers in small clusters on long strong stems. Perennial.

**MRS. BRADSHAW**—Dble. Bright red. Pkt. 10c.

**MIXED VARIETIES**—Orange, red and yellow shades. Pkt. 15c.

**DOUBLE FLOWERED MIXED**—Selected seed from the most choice double flowers in all colors. Mixed: Pkt. 10c, 1/4 oz. 50c.

**HOLLYHOCK INDIAN SPRING**—Silver Medal, All-America Selection, 1939. Semi-double flowers of bright rose and rosy carmine. Pkt. 15c, 1/8 oz. 70c, 1/4 oz. \$1.25.

## Hunnemanni

**(Mexican or Giant Yellow Tulip Poppy)** Height 2 feet. Bushy perennial, having a long blooming period. Similar to the California Poppy but of a lighter canary yellow. Nice for cutting.

**SUNLITE**—Gorgeous semi-double. Clear bright yellow. Pkt. 15c, 1/4 oz. 50c, 1/2 oz. 85c.

**GIANT SINGLE**—Magnificent golden yellow flowers with orange anthers. Pkt. 10c, 1/4 oz. 25c, 1/2 oz. 40c.

**Ice Plant**  
*(Mesembryanthemum Crystallinum)* This variety is grown for its glistening foliage. Leaves large, fleshy and covered with glistening dots. Height 8 inches. Plant fall and spring. Pkt. 10c, 1/4 oz. 25c, oz. 75c.

**Burning Bush**  
*KOCHIA CHILDSI (Summer Cypress)*—A highly ornamental annual plant having a cypress-like appearance. A bright green until autumn when it turns to a bright red from which it gets two other names "Mexican Fire Plant" and "Burning Bush". Plant during the spring months. Pkt. 10c, oz. 30c.

**Lantana**  
**Perennial**—Grows only 2 to 3 feet high but bears a profusion of verbena-like flowers in a wide range of gorgeous colors. Is cut back by frost but renews its runners each year, becoming more luxuriant each year. Plant through spring and early summer months.

**Mixed Colors**—Pkt. 10c, 1/4 oz. 50c, oz. \$1.50.



Geum, Mrs. Bradshaw

Hollyhock, Indian Spring

# Seeds from Quality Selected and Tested Stock



Larkspur, Giant Imperials

## Larkspur

Few annuals in our gardens equal the Larkspurs in usefulness and charm. The double stock flowered strains are heavily branched, grow to a height of 3 feet or more and produce a continuous succession of blooms over a long period during the spring months. Sow seed in the open during the fall months.

### LIEFGREEN'S GIANT DOUBLE STOCK FLOWERED—

Light Blue	Dark Blue	Rose	Lilac
White	Lustrous Carmine		

Each color: Pkt. 10c, 1/4 oz. 25c, oz. 75c.

Mixed—All above colors in a grand mixture. Pkt. 10c, 1/4 oz. 25c, oz. 75c.

### LIEFGREEN'S GIANT IMPERIAL LARKSPURS—

A superior strain, upright in habit, branching from the base. Very double. See color illustration page 13. **Superb Mixed**—All colors. Pkt. 15c, 1/4 oz. 30c, 1/2 oz. 50c, oz. 90c.

## Lupin

Exceedingly attractive annual and easily grown. The handsome spikes covered with a profusion of blooms grow to a height of 2 to 3 ft. Plant during the fall, winter and spring months. Thin to about 12 inches apart. Semi-shade.

**HARTWEGI**—Dark blue, Roseous pink and Mixed colors. Each: Pkt. 10c, oz. 50c.

## Mignonette

A hardy annual growing from 6 to 12 inches high. Can be grown in shady places. Plant during the fall, winter and spring months.

**GIANT MACHET**, Mixed—Pkt. 10c, 1/2 oz. 40c, oz. 75c.

## Nemesia

A very pretty and effective annual 1 ft. high, used for beds and borders and edging. The flowers resemble a miniature snapdragon and have a color range of rose, yellow, orange, blue, etc.

**MIXED COLORS**—Pkt. 15c, 1/8 oz. 50c.

## Nemophila

(*Baby Blue Eyes*) Nice for carpet bedding, growing about 6 inches high. Blossoms cup-shaped.

**IN SIGNIS BLUE**—Pkt. 10c, oz. 40c.

## Nicotiana

(*Flowering Tobacco*) A hardy annual growing 3 to 4 feet high and of branching habit. The plants are covered with slender tubular flowers all summer. They may be used as a background or as single specimens. Popular for its evening fragrance.

**SANDERAE MIXED**—A new, large, flowering type with various bright colored blossoms. Pkt. 10c, 1/4 oz. 30c.

## Nigella

Hardy annual 1 foot high, oddly shaped blossoms, elegant foliage. Sow during fall and winter months.

**MISS JEKYLL**—A long-stemmed sort with beautiful cornflower-blue blossoms. Pkt. 10c, 1/2 oz. 40c, oz. 75c.

## Nierembergia

(*Hippomanica*) Plants form a dense mat, 6 in. high, 1 ft. or more across, and are thickly covered with beautiful lavender blue cup-shaped flowers. Plant during the fall and winter months. Highly recommended. See color illustration page 3. Pkt. 25c.

## PLANT A FLOWER BORDER

The flower border can be a very pleasing and colorful part of the home grounds—with small cost and little effort to keep it looking well. Most everyone has planted solid beds of one kind of flower, such as Zinnias, and the results have been generally very good. Other flowers blooming at the same time could be planted with them to offer contrast and variety in the garden and to give a wider choice of cut flowers. In the sketch at the left, the dwarf kinds are placed in the very front either in a continuous row or broken by bold bands of different kinds. Between the front planting and the rear which takes the tallest varieties we place the many kinds of intermediate height, always placing the taller behind the smaller. Choose your favorites from the suggestions below and include some of the light, graceful flowers known as "fillers". They blend the colors of the bolder kinds and make very fine additions to bouquets. In this group are Gypsophila, Nigella, Queen Anne's Lace, and Shasta Daisies.

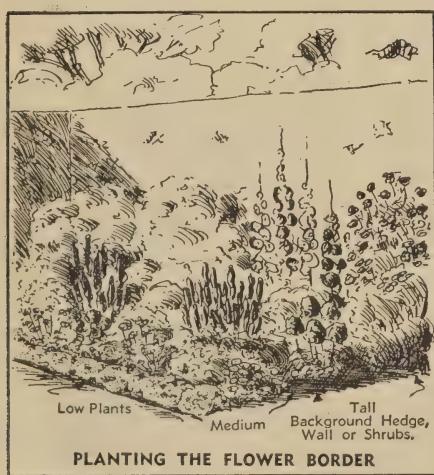
### For Spring and Summer Gardens

Low	Medium	Tall
Ageratum	Cockscomb	Gaillardia
Alyssum	Gerbera	Geranium
Nasturtium	Kochia	Lantana
Petunia	Marigolds	Nicotiana
Portulaca	Shasta Daisy	Vinca
Verbena	Zinnia	
Zinnia		

### For Fall and Winter Gardens

Low	Medium	Tall
Ageratum	African Daisy	Lupin
Alyssum	Bachelor Button	Painted Daisy
Pansy	Calendula	Petunia
Petunia	Candytuft	Phlox
Pinks	Carnation	Poppies
Verbena	Clarkia	Scabiosa
Virginian Stock	Cumbine	Snapdragon
Nemophila	Linum	Stocks

### PLANTING THE FLOWER BORDER



# MARIGOLDS . . . For Showy Summer Flowers



Marigold Goldsmith

## African Marigolds

**TALL AFRICAN DOUBLE ORANGE**—Very large golden orange flowers. Pkt. 15c,  $\frac{1}{8}$  oz. 35c,  $\frac{1}{4}$  oz. 60c, oz. \$1.75.

**TALL AFRICAN DOUBLE LEMON**—Very large bright clear yellow flowers. Pkt. 15c,  $\frac{1}{8}$  oz. 35c,  $\frac{1}{4}$  oz. 60c, oz. \$1.75.

**TALL AFRICAN DOUBLE MIXED**—The above colors mixed. Pkt. 10c,  $\frac{1}{4}$  oz. 50c, oz. \$1.50.

**GUINEA GOLD**—The flowers of this exquisite Marigold are loosely ruffled, semi-double and of medium size. The color is a brilliant golden orange. Pkt. 10c,  $\frac{1}{4}$  oz. 25c, oz. 75c.

**GIGANTEA SUNSET GIANTS MIXED**—Flowers are loosely formed with the heavy petals gracefully overlapping. Gigantic in size with a color range of deep orange through all shades of yellow. Very tall. Pkt. 15c,  $\frac{1}{4}$  oz. 40c.

**MARIGOLD, GOLDSMITH**—See color illustration page 3. Giant chrysanthemum-flowered golden orange, base branching and with good stems for cutting. Full double flowers on strong bushy plants of from 2 to 4 feet in uniform height. Early and free-blooming. Pkt. 25c, 5 pkts. \$1.00.

**GIGANTEA POT OF GOLD, DWARF**—10 to 12 inches. Early flowering, producing a mass of intense dazzling golden orange flowers, of immense size. Pkt. 20c,  $\frac{1}{8}$  oz. 40c,  $\frac{1}{4}$  oz. 75c.

## NASTURTIUMS

Plant in February and March for spring flowers and early in the fall in protected places for fall blooming. Nasturtiums prefer dry, rather rocky soils such as we usually call "poor" soil and bear their flowers in such locations in greater profusion than in a rich soil, where they run too much to foliage.

## New Semi-Double Sweet-Scented Nasturtiums

**SCARLET GLEAM**—Bright red extra large flowers. Bush type which throw out runners averaging 12 to 18 inches. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 70c.

**GOLDEN GLEAM**—Like Scarlet Gleam but of an attractive bright golden yellow color. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 70c.

**GLORIOUS GLEAM HYBRIDS**—Same habit and growth as Golden Gleam and Scarlet Gleam. A glorious assortment of brilliant shades. See color illustration page 2. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**INDIAN CHIEF (New Semi-double Gleam)**—Indian Chief has dark foliage contrasting its bright scarlet flowers. Bush type with runners averaging 12 to 18 inches. Pkt. 15c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00.

## Single Nasturtiums

**LIEFGREEN'S SPECIAL TALL SINGLE MIXED**—All single flowers, unusually large. Mixture contains many new colors and varieties as well as the old-fashioned ones.

**LIEFGREEN'S SPECIAL DWARF SINGLE MIXED**—Compact plants entirely without range as the Tall sort.

Each: Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.45.

## Dwarf Double Gem Nasturtiums

**SCARLET GEM**—Fiery scarlet. Pkt. 15c, oz. 35c.

**GOLDEN GEM**—Golden yellow. Pkt. 15c, oz. 35c.

## MARIGOLDS Tall and Dwarf, Provide Brilliance of Color all Summer

The African and French Marigolds supply a profusion of gorgeous blooms throughout the summer and fall months. Sow seed during early spring and summer months in a sunny exposure, preferably in light soil. Cover seed about  $\frac{1}{8}$  inch deep and when up thin to 10 or 12 inches apart.

## African Marigolds

Produce their large flowers on long tall stems standing erect on the plant which attains a height of 18 inches to 2½ feet. Make splendid cut flowers.



Marigold Gigantea, Sunset Giants

## French Marigolds

The French Marigolds are used principally for beds and borders. The individual plants are spreading in habit and are covered continuously with a mass of gorgeous blooms throughout the summer and fall months. Height 12 to 14 in.

**DWARF FRENCH, SUNKIST**—Silver Medal, All-America Selections, 1943. An exceptionally lovely border plant 8 inches high that becomes completely covered with 2-inch blooms. Colors are rich, deep golden orange with crested centers surrounded by several rows of broad velvety petals. Pkt. 25c, 5 pkts. for \$1.00.

**DWARF DOUBLE HARMONY HYBRIDS**—Flowers medium size with a color range of golden orange, golden yellow, innumerable blotched and striped combinations of golden orange and yellow and maroon contrasting, all with crested centers. Blooms within 75 days. Pkt. 10c,  $\frac{1}{4}$  oz. 35c, oz. \$1.00.

**DWARF HARMONY**—Exquisite blooms with cushion-like centers of fluted, deeply cut golden orange centers surrounded by several rows of reddish brown outer petals. See color illustration page 3. Pkt. 10c,  $\frac{1}{4}$  oz. 35c, oz. \$1.00.

**DWARF DOUBLE FRENCH MIXED**—Many combinations in golden orange, lemon yellow, maroon and mahogany. Pkt. 10c,  $\frac{1}{4}$  oz. 20c, oz. 50c.



Nasturtium, Double Gleam

**DWARF DOUBLE GEM MIXTURE**—Ideal annual for borders and edging use. The plants are truly dwarf and compact. The flowers are of good size, sweet-scented and semi-double. Colors include all shades and many spotted varieties. Pkt. 15c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

# LIEFGREEN'S GIANT SPENCER SWEET PEAS

SWEET PEAS are so well known they need no description. We offer only the Giant Flowering Spencer strain in both the Early Flowering and the Spring Flowering types.

## Liefgreen's Giant Early Flowering Spencer Sweet Peas

Plant the Early Flowering type sweet peas in the early fall and winter months for early winter and early spring blooming. Again early in the spring months for later spring blooming. This type sweet pea blooms from four to six weeks earlier than the Spring Flowering Spencers. The plant starts climbing immediately after germination. We offer the very latest and finest types adaptable to Arizona climate.

**AMETHYST**—Royal purple.

**BALL'S ROSE IMPROVED**—Rich, deep rose pink.

**CREAM**—Rich soft deep cream.

**COLUMBIA**—Bicolor. Salmon rose, white wings.

**EXPOSITION PINK**—Gorgeous rich pink.

**HOPE**—Pure glistening white.

**LAVANDA**—Pure clear lavender.

**MARINER**—Clear marine blue.

**MARS**—Bright crimson red.

**MEMORY**—Rosy lavender.

**PRIDE**—Cerise, long stems.

**OTHELLO**—Maroon.

**SEQUOIA**—Golden cerise.

**SHIRLEY TEMPLE**—Very large, frilled, soft rose pink.

**SKIPPY**—Light salmon pink.

**TRIUMPH**—Lilac mauve.

**VALENCIA**—Sunproof orange.

Each: Pkt. 15c,  $\frac{1}{2}$  oz. 35c, oz. 60c,  $\frac{1}{4}$  lb. \$1.75.

## SPECIAL MIXTURE

**SPECIAL EARLY FLOWERING SPENCER MIXTURE**—Containing the very finest varieties. Pkt. 10c,  $\frac{1}{2}$  oz. 20c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00, 1 lb. \$3.00.

## HOW TO GROW SWEET PEAS

**CULTURE:** Sow seed in a location that receives morning and early afternoon sun. Seed may be planted from early fall to early spring. Dig a trench about a foot wide and deep and fill in with 6 inches of well-rotted manure. Mix a liberal amount of manure with the soil that has been removed and replace it. Flood bed thoroughly and allow to stand several days before planting seed. After the soil has settled sufficiently, open a trench in the bed about 6 inches deep and plant **ONE OUNCE** of seed to about 20 or 25 feet of row. During the warm weather cover seed about 2 or 3 inches deep and in cooler weather about 1 inch is sufficient. CARE MUST BE TAKEN DURING WARM WEATHER NOT TO ROT THE SEED WITH TOO MUCH MOISTURE. After planting seed soak the trench thoroughly and cover top with a light mulch of peat moss to prevent the surface soil from drying out and cracking. When the plants are up about 3 or 4 inches thin out to about 4 inches apart and begin drawing the earth to the plant to insure a deep root system. This makes a trench on each side of the plant along which the plant is watered. Provide a trellis or proper support as the vines attain great height. Frequent cultivation, water as needed after plants are up and occasional applications of Sweet Pea Food or a good all-purpose commercial fertilizer, will insure a profusion of lovely blooms. A long blooming season may be had by keeping the blossoms picked.

## SPECIAL SWEET PEA COLLECTIONS

8 15c pkts. \$1.00.

**GIANT EARLY FLOWERING SPENCER SWEET PEAS**

1 pkt. each of the following colors of the following varieties listed above: Blue, Pink, White, Lavender, Salmon, Red, Orange, Cerise, Purple, Cream, Picotee, Maroon.

12 10c pkts. \$1.00.

**GIANT SPRING FLOWERING SPENCER SWEET PEAS**

1 pkt. each of the following colors of named varieties listed above: Blue, Pink, White, Lavender, Salmon, Red, Orange, Cerise, Purple, Cream, Picotee, Maroon.

## Liefgreen's Giant Spring Flowering Spencers

Plant in a sunny location for blooming during the spring months. Will bloom from four to six weeks later than the Early Spencers. Planted during the early fall and winter months, they make a growth of only about 6 to 8 inches with numerous tendrils at the base which rapidly climb during the warm early spring months. Our selection of this type is the latest and finest varieties grown:

**BLANCHE FERRY**—Bicolor. Bright red and white.

**CHIEFTAIN**—Satiny lilac mauve.

**CHINESE BLUE**—Rich deep blue.

**CREAM GIGANTIC**—Largest deep soft cream.

**DAMASK ROSE**—Deep rose.

**JACK HOBBS**—Flushed scarlet pink on cream ground.

**JUMBO**—Deep cerise.

**KING LAVENDER**—Clear pure lavender.

**OLYMPIA**—Rich purple.

**PINKIE**—Clear bright pink.

**PIRATE OF GOLD**—Golden orange.

**RED SUPREME**—Deep crimson. Very bright.

**SMILES**—Salmon shrimp pink.

**WARRIOR**—Maroon.

**WHITE GIGANTIC**—Large pure white.

**YOUTH**—Large white, pink picotee edge.

Each: Pkt. 10c,  $\frac{1}{2}$  oz. 20c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25.

## SPECIAL MIXTURE

**SPECIAL GIANT SPRING FLOWERING MIXTURE**—All the best varieties and many of the newest. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, 1 lb. \$2.25.

## Cupid Spencer Sweet Peas

Sweet peas in bush form. Lovely large blooms of true Spencer type, borne profusely on small trailing plants growing not more than 9 inches tall. Grand for borders and massing. Light shades, bright pink predominating. Pkt. 15c,  $\frac{1}{2}$  oz. 25c, oz. 40c,  $\frac{1}{4}$  lb. \$1.25.

## For Better Sweet Pea Flowers . . .

### FERTILIZE WITH . . .

#### BANDINI SWEET PEA FOOD

Unexcelled for use at time of planting sweet pea seed and for feeding during the growing season. It not only contains just the correct portions of plant-food but also of Sulphur, Lime, Tobacco Meal, and Iron Oxide.

2 1/2 lbs. 30c, 5 lbs. 45c, 10 lbs. 85c, 25 lbs. \$1.55,  
50 lbs. \$2.60, 100 lbs. \$4.25.

**PAMPHLETS GIVING COMPLETE DIRECTIONS FOR USE FURNISHED UPON REQUEST**

**NOTE**—Not prepaid; postage or transportation extra.  
Prices Listed Herein Subject to Change Without Notice.



### INOCULATE SEED WITH . . .

#### LEGUME-AID

LEGUME-AID is a NITROGEN-fixing bacteria for inoculating legume seed, such as SWEET PEA SEED, LUPINS, etc. Legume-Aid increases the yield, improves the quality and enriches the soil. It comes in dust form to inoculate packages and no water is needed. One garden packet inoculates up to 5 pounds of Sweet Peas, Lupins, Beans or garden peas. Pkt. 10c, postpaid.

### TRAIN VINES ON . . .

#### TRAIN-ETTS

The new Sweet Pea Trellis of enduring weatherized twine. Train-etts are attractive, easy to hang and are treated to last several seasons. After vines have finished flowering pick out the clinging tendrils and your Train-ett is ready for use again. No. 1, 60x72 in., 39c; No. 2, 60x96 in. 49c; No. 3, 60x180 in. 69c. Postpaid.

# Colorful Bloom for Winter Flower Gardens



**GIANT EARLY FLOWERING SPENCER SWEET PEAS**

The best type for early winter and early spring flowering. Plant from early fall to early winter. For the latest and finest types see opposite page.



**GIANT IMPERIAL STOCKS**

The lovely double sweetly scented stock is a winter favorite. Giant Imperial Stocks branch from the base and display long flower stalks suitable for cutting. Colors are bright but harmonize well in bouquets. **Mixed. Pkt. 10c, 1/8 oz. 60c.** See page 19 for separate colors.



**LARKSPUR, GIANT IMPERIAL**

Showy, free-flowering annuals with finely cut leaves and tall spikes of double flowers. **Mixed. Pkt. 15c, 1/4 oz. 30c, 1/2 oz. 50c, oz. 90c.** See listing page 10.



**LIEFGREEN'S GIANT SNAPDRAGONS**

The giant snapdragon comes in both tall and semi-dwarf forms. Both are very showy in the winter garden where their many colors make a gay planting. Excellent for cutting. For separate colors and attractive collection see page 5.

# Zinnias for Colorful Summer Flower Gardens



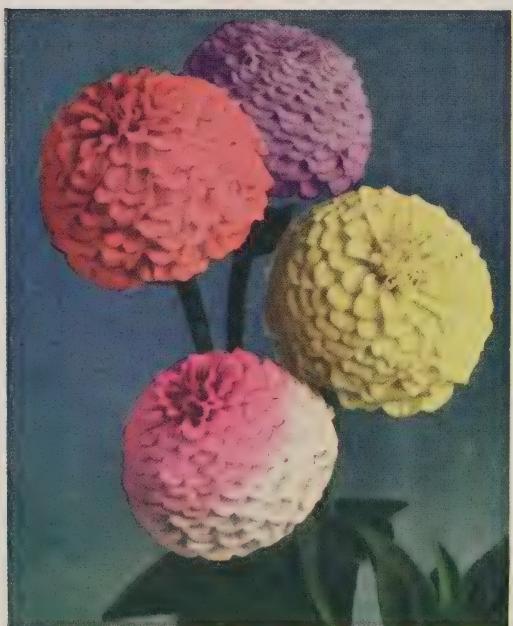
## ZINNIA SCABIOSA FLOWERED

Medium size flowers composed of a row of broad rays or outer petals similar in form to the annual scabiosa surrounding a pincushion mass of smaller petals. About 2-2½ feet high. Excellent as a cut flower. All the lovely bright shades. Mixed colors only. Pkt. 15c, ¼ oz. 45c, oz. \$1.50.



## DAHLIA-FLOWERED ZINNIA, WILL ROGERS

One of the finest bright scarlet zinnias of the dahlia-flowered class. Zinnias of this type are the most popular sort with large brightly colored dahlia-like flowers. They grow 2½ to 3 feet high and are very showy. Excellent for cutting. Pkt. 15c, ¼ oz. 55c, oz. \$1.50.



## LILLIPUT ZINNIAS, PASTEL MIXTURE

Lovely pastel colors of this miniature zinnia are well worth a place in every garden. Small, about one inch across, they are very double. Plant in front part of the summer border. Height 12-18 inches. Pkt. 10c, ¼ oz. 35c, oz. \$1.00.

## ZINNIA COLLECTION

### Special Offer of Novelty Zinnias

FANTASY—Finest Mixed.

TOM THUMB—Mixed.

WILL ROGERS.

CROWN OF GOLD—Pastel.

SCABIOSA FLOWERED.

GIANT PICOTEE—Mixed.

GAILLARDIA FL. (Navajo).

HAAGEANA (Mexicana).

LINEARIS.

Above Collection, 9 pkts., value \$1.45. **\$1.00** postpaid

## SPECIAL OFFER

50c for 75c value

### COLLECTION OF NOVELTY

### ZINNIAS

NO DWARF TYPES

FANTASY—Finest Mixed.

VICTORY QUILLED or CACTUS.

SCABIOSA FLOWERED.

GIANT PICOTEE—Mixed.

GAILLARDIA FL. (NAVAJO).

Above Collection, 5 pkts.,

value 75c, postpaid... **50c**

## SUPER CROWN OF GOLD

One of the loveliest of the larger flowered zinnias, the extremely double flowers come in delicate pastel tints, each petal overlaid <sup>at</sup> the base with golden yellow. 3 feet. Pkt. 15c, ¼ oz. 25c, ½ oz. 45c. 1 oz. \$1.50.



Zinnia Super Crown O' Gold  
Pastel Tints

# Zinnias Are Arizona's Most Popular Summer Flower

## ZINNIAS

The Zinnia is possibly more at home in the warmer sections of Arizona than any other flower. It is sun-loving, very easy to grow and a favorite in thousands of Arizona gardens. We wish to stress the fact that our Zinnias are absolutely the best strains in existence. The Zinnia is strictly a hot weather plant and should not be planted until March. Plantings may be continued throughout the summer.

**CULTURE**—Plant after all danger of frost is over. The seed should be planted about one-half inch deep and the seed bed covered with a mulch of our horticultural peat moss or grass to conserve the top moisture. Plant in rich soil in rows at least three feet apart, and thin out plants so they are about 12 inches apart. Never plant Zinnias in the shade as they delight in the full sun-shine. Keep the rows free and clean from Bermuda grass and weeds and cultivate and irrigate often. To avoid mildew dust the ground around the plants with dusting sulphur as soon as the buds appear. If you follow these instructions we know your efforts will be rewarded.

## Liefgreen's Arizona Giant or Mammoth Zinnias

This strain is, in some ways, a companion type to the Dahlia Flowered. The plants are, however, taller than the Dahlia Flowered type, reaching a height of 3 to 4 feet. The flowers are very large and well formed, with smooth topped, graceful appearance, the petals lying flat upon each other. The colors are very bright and clear and altogether it is one of the showiest of the large-flowered Zinnias.

**GIANT LEMON QUEEN**—Clear bright yellow.

**GIANT ORANGE QUEEN**—New orange shade, exceptionally bright.

**ENCHANTRESS**—Light pink, rose center.

**SCARLET QUEEN**—Glowing deep scarlet.

**GIANT PURITY**—Large pure white.

**GIANT**—Lavender gem.

**GIANT PURPLE QUEEN**—Deep purple.

Each: Pkt. 10c, 1/4 oz. 35c, oz. \$1.25.

**LIEFGREEN'S GIANT MAMMOTH MIXED**—Many beautiful colors.

Pkt. 10c, 1/4 oz. 30c, oz. \$1.00.

## SPECIAL COLLECTION

### LIEFGREEN'S GIANT OR MAMMOTH ZINNIAS

One each of 7 varieties, value 70c, for 50c, postpaid

## New Fantasy Zinnia (Crested and Curled)

The flowers of this type Zinnia have a graceful informal shaggy appearance. The petals are ray-like, curled and interwoven and are quite distinct from all other types of Zinnias. Flowers are of medium size, 2 1/2 to 3 in., and the plants grow to a height of about 2 1/2 to 3 feet.

**FANTASY, WHITE LIGHT**—Pure glistening white.

**FANTASY, STAR DUST**—Rich golden yellow.

**FANTASY, ORANGE LADY**—Bright deep orange.

**FANTASY, ROSALIE**—Beautiful shade of intense rose.

**FANTASY, WILDFIRE**—Rich dazzling scarlet.

Each Color: Pkt. 20c, 1/8 oz. 25c, 1/4 oz. 45c, oz. \$1.50.

**FANTASY FINEST MIXED**—All bright colors. Pkt. 15c, 1/4 oz. 35c, oz. \$1.25.

## Liefgreen's Lilliput Pompon Zinnias

The Lilliput Zinnias are the most popular for cut flowers. The flowers are small, compact and symmetrical in shape, 1 to 1 1/2 inches in diameter, borne in great quantities on neat, compact plants, 18 to 24 inches in height. We offer the most popular of the brilliant shades.

**CANARY YELLOW**—Bright golden yellow.

**WHITE GEM**—Pure white.

**ORANGE QUEEN**—Golden orange.

**SAFETY ROSE**—Unique shade of soft rose.

**PURPLE**—A rich deep purple.

**CRIMSON GEM**—Beautiful ruby red.

**LILLIPUT POMPON MIXED**—All bright shades.

Each: Pkt. 10c, 1/4 oz. 30c, oz. \$1.00.

## LILLIPUT ZINNIAS

**SPECIAL COLLECTION**—Six varieties, one each of the 6 colors listed above. 60c value for 40c, postpaid.

## Liefgreen's Gold Medal Dahlia

### Flowered Zinnias

The DAHLIA FLOWERED ZINNIA is the most popular of all the Zinnia types grown. They resemble a Dahlia in appearance, and when in full bloom often measure 5 and 6 inches in diameter. The plants are of medium height, 2 1/2 to 3 ft., very robust, bearing many strong stems of the fully double, beautifully colored flowers. Excellent for garden show or for cut flowers.

**WILL ROGERS (NEW)**—Loveliest and most brilliant scarlet red.

**GOLDEN DAWN**—Golden yellow, almost a light orange.

**ELDORADO**—Salmon apricot in delightful shades.

**EXQUISITE**—Light rose with deep rose center.

**GOLDEN STATE**—Yellow orange in bud turning to deep orange.

**DREAM**—Deep rosy lavender.

**POLAR BEAR**—A very large pure white.

**ILLUMINATION**—A deep soft rose.

**ORIOLE**—An immense orange and gold bicolor.

**CRIMSON MONARCH**—Deep crimson. Flowers very large.

**CANARY BIRD**—Delicate primrose yellow.

**PURPLE PRINCE**—Dark purple.

Each Color: Pkt. 15c, 1/4 oz. 50c, 1/2 oz. 80c, oz. \$1.50.

**LIEFGREEN'S GOLD MEDAL DAHLIA FLOWERED ZINNIA MIXTURE**—A blend of the very best types of Dahlia Flowered Zinnias. Pkt. 10c, 1/4 oz. 35c, 1/2 oz. 65c, oz. \$1.25.

**COLLECTION**—The entire collection of 12 Dahlia Flowered Zinnias. Value \$1.80, for \$1.25, postpaid.

## Zinnia, Super Crown o' Gold Pastel Tints

This new Zinnia has each petal overlaid at the base with deep golden yellow, while carrying out the individual flower color at the tip. It is of immense size—midway between the Dahlia Flowered and Giant Mammoth types. Grows to a height of 3 feet. The new pastel tints are bright, containing a wide range of pastel tints.

**MIXED ONLY**—Pkt. 15c, 1/4 oz. 25c, 1/4 oz. 45c, 1 oz. \$1.50.

## Lilliput Pompon Pastel Mixture

Lovely soft shades of apricot, peach, creamy yellow, shell pink, salmon, light rose and orchid. Plants are 12 to 18 inches in height and very free flowering.

**MIXED ONLY**—Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.

## Zinnia, Navajo or Gaillardia Flowered

The flowers are very attractive, resembling the double Gaillardia. They are medium size, averaging about 2 inches in diameter, and the sturdy plants attain a height of about 2 feet. The color range is wide and varied, many of the flowers being two-toned.

**MIXED COLORS ONLY**—Pkt. 15c, 1/4 oz. 40c, oz. \$1.25.

**LIEFGREEN'S NOVEL AND INTERESTING TYPES OF ZINNIAS**

## Dwarf Types of Zinnias

**LIEFGREEN'S TOM THUMB ZINNIA**—The compact plants of the dainty strain are 6 to 8 inches high and are covered with well formed flowers of the Lilliput type. There is a complete range of Zinnia colors in this mixture. Excellent for borders or for mass planting.

**MIXED COLORS ONLY**—Pkt. 15c, 1/4 oz. 40c, oz. \$1.25.

**HAAGEANA DOUBLE (MEXICAN HYBRIDS)**—Dwarf, plant carrying prettily marked flowers. Nice for bedding and make a brilliant display. Mixture contains many attractive colors and color combinations.

**MIXED ONLY**—Pkt. 15c, 1/4 oz. 40c, oz. \$1.25.

**ZINNIA LINEARIS**—Dwarf single variety. Flowers are small and a lovely shade of golden orange with a delicate lemon yellow stripe through each petal. The flowers are produced in great profusion, literally covering the plant which sometimes has a spread of as much as 2 feet by the end of the season. Pkt. 15c, 1/8 oz. 40c, 1/4 oz. 75c.

# Seeds from Quality Selected and Tested Stock



Pansy. Steele's Super Swiss Jumbo Mixed

## POPPIES

Probably no flower enjoys a greater popularity than the Poppy. They may be had in many varieties, heights, and brilliant or delicate colors. Seed should be sown in the open during the fall months in a location where the plants are to flower, as they do not transplant easily. Annual.

**GLAUCIUM (TULIP FLOWERED)**—Flowers vivid scarlet on tall strong stems. Pkt. 10c.,  $\frac{1}{4}$  oz. 25c.,  $\frac{1}{2}$  oz. 40c., oz. 75c.

**SHIRLEY POPPY, SINGLE MIXED**—Improved large flowering strain of many delicate shades. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.

**SHIRLEY POPPY, DOUBLE MIXED**—Beautiful begonia-like flowers. All colors. Height about 18 inches. Pkt. 10c.,  $\frac{1}{4}$  oz. 25c.,  $\frac{1}{2}$  oz. 40c., oz. 75c.



California Poppies

**SHIRLEY POPPY, WHITE**—Pure white, sheer and very lovely. Pkt. 10c.,  $\frac{1}{2}$  oz. 40c., oz. 75c.

**ICELAND POPPY, EXQUISITE MIXED**—Bright green foliage formed in tufts from which issue slender stalks about 15 inches high, bearing a profusion of brilliant flowers. Pkt. 10c.,  $\frac{1}{8}$  oz. 35c., oz. 60c.

**ICELAND POPPY, SANDFORD'S GIANTS**—Undoubtedly one of the best Iceland Poppies. The flowers are immense and borne on long, stiff stems making them excellent for cutting. A beautiful range of colors. Pkt. 20c.,  $\frac{1}{8}$  oz. 60c.,  $\frac{1}{4}$  oz. \$1.



**ARIZONA POPPY, RAINBOW GROUP**—A mixture of many varieties and brilliant shades including the desert types. Pkt. 10c., oz. 50c.



Iceland Poppies

## PANSIES

PANSIES are so well known they need no description. For successful germination and lovely blooms, prepare the soil carefully. Plant seed during the fall months in a semi-shady location, in well moistened, finely pulverized soil, enriched with a slight amount of barnyard fertilizer or bone meal. Cover seed lightly and firm soil. Keep beds moist but not soaking wet until plants are up. Transplant to 8 to 12 inches apart. Water young plants very sparingly to avoid damping off, but do not allow soil to dry out at any time. Annual.

### Exhibition Strain

**SANTA ANITA GIANT SWISS PANSIES**—The original Santa Anita Giant Swiss Pansies that astonish and delight every visitor at this famous track every season. Immense flowers, long stems and brilliant colors. Large pkt. \$1.00, half size pkt. 50c., 1/16 oz. \$1.50,  $\frac{1}{8}$  oz. \$2.75,  $\frac{1}{4}$  oz. \$5.00.

### Giant Mastodon Strains

**STEELE'S SUPER SWISS JUMBO MIXED**—This is the original strain from Steele's Pansy Gardens and are the largest and most beautiful pansies grown. Many colors and color combinations. Stems very long and strong, standing well above the foliage. See color illustration page 3. Pkt. 50c., large pkt. \$1.00, 1/16 oz. \$1.50,  $\frac{1}{8}$  oz. \$2.75,  $\frac{1}{4}$  oz. \$5.00.

### Liefgreen's Special Large Flowered Swiss Giants

**SWISS GIANT MIXED**—Large size flowers of excellent uniform quality on long, strong stems. All colors and color combinations represented. Many frilled and sweet-scented. Pkt. 25c., 1/16 oz. \$1.00,  $\frac{1}{8}$  oz. \$1.75,  $\frac{1}{4}$  oz. \$3.00.

### Special Bedding Mixture

**LIEFGREEN'S GOOD MIXED PANSY**—Medium size blooms, extremely free flowering. Especially desirable for larger beds and borders where a mass of color rather than size of the individual bloom is wanted. A full range of color. Pkt. 15c.,  $\frac{1}{4}$  oz. \$1.25.

### California Poppies

**IMPROVED ORANGE**—Very deep golden orange; large cup-shaped flowers. Height about 1 foot. Pkt. 10c., oz. 35c.

**BRILLIANT MIXED**—A mixture of orange, yellow, pink and white. Makes a beautiful display. Pkt. 10c., oz. 45c.

# PETUNIAS . . . Unexcelled for Beds and Borders

## PETUNIAS

PETUNIAS cannot be equaled for beds and borders. They flower throughout the year even through the hot summer months. Start planting in September and continue through the spring months. Scatter seed thinly on an even well prepared soil and cover lightly with fine silt or sand, pressing firmly with a board so that seed adheres to the soil. A light mulch of barnyard fertilizer or peat moss is beneficial. Thin plants to 8 to 12 inches. Do not over water. Petunias grow from 1 to 1½ feet high, except miniature sorts and the dwarf single bedding types, which attain 8 inches or less.

### New and Popular Petunias

**ALLDDOUBLE AMERICA**—Silver Medal, All-America Selections, 1943. America's first all-double Petunia to be introduced. It is the finest of all new flowers. Plants are compact and uniform, 1 ft. high and 1½ ft. across. The rose-pink flowers are 2 inches in diameter, fill the plant during fall, winter and spring, even through the summer. **Pkt. 50c.**

**BLUE BROCADE, VICTORIOUS ALL-DOUBLE**—Silver Medal, All-America Selections, 1941. This is a fine true violet-blue colored, giant fringed all-double Petunia. The habit of the plant is dwarf and very uniform, making it valuable for bedding or cut flowers. **Pkt. 50c.**

**FIRST LADY**—Silver Medal, All-America Selections, 1941. Exceptionally uniform dwarf Petunia. Large 2½-inch flowers of beautiful light or blush pink in profusion all season. Unique color, distinct and pleasingly desirable. Uniform, compact, 12-inch plants. **Pkt. 35c.**

**PETUNIA, GIANTS OF CALIFORNIA**—Fringed and ruffled. Light and dark colors with attractive deep throats, many beautifully veined. **Mixed colors only. Pkt. 26c, 5 pkts. \$1.**



Petunia, Giants of California

### Petunia Hybrida

#### SPREADING TYPE

**PETUNIA, RADIANCE**—See color illustration page 2. A very brilliant and rich rose or cerise color with brown veined yellowish throat. Begins blooming very early and profusely; of uniform height, branching nicely. An outstanding petunia. **Pkt. 25c, 5 pkts. \$1.00.**

**HOLLYWOOD STAR**—Rich rose color with amber throat. Flowers star-shaped. **Pkt. 15c, 1/16 oz. 45c, 1/8 oz. 75c.**

**VIOLEACEA**—Deep velvety purple. **Pkt. 15c, 1/8 oz. 40c, 1/4 oz. 90c.**

**HOWARD'S STAR**—Velvety purple with pure white star center. **Pkt. 15c, 1/8 oz. 45c, 1/4 oz. 75c.**

**TOPAZ ROSE**—Fiery rose suffused gold; topaz color throat. **Pkt. 15c, 1/16 oz. 45c, 1/8 oz. 75c.**

**WHITE KING**—Very large pure white flowers. **Pkt. 15c, 1/8 oz. 35c, 1/4 oz. 60c.**

**GEN. DODDS**—A rich blood red. Flowers are large and free blooming. **Pkt. 15c, 1/8 oz. 35c, 1/4 oz. 60c.**



Petunia, First Lady

**BLACK PRINCE**—Balcony type. Deep velvety red. **Pkt. 20c, 1/16 oz. 60c, 1/8 oz. \$1.00.**

**HYBRIDA MIXED**—Very choice mixture of many lovely colors, including the striped and blotched. **Pkt. 10c, 1/8 oz. 25c, 1/4 oz. 45c, oz. \$1.25.**

### Petunia—Miniature or Gem

**BRILLIANT ROSE GEM**—Rich deep rose. Compact plant. Height 6 to 8 inches.

**PINK GEM**—Bright clear pink. Compact. Height 6 to 8 inches.

**Each: Pkt. 15c, 1/16 oz. 45c, 1/8 oz. 75c.**

### Petunia Hybrida Grandiflora— Giant Flowered

**VELVET BALL**—Plant is ball-shaped and compact. Height 8 inches. Flowers very large and a velvety blood red. **Pkt. 25c, 5 pkts. \$1.00.**

**BURGUNDY**—Rich wine red, contrasting white throat. Compact and dwarf. Very large flowers. **Pkt. 25c, 5 pkts. \$1.00.**



Petunia, Blue Brocade



Petunia Violacea

# Plant Liefgreen's Tried and Tested Seeds



*Phlox Drummondii*

## ANNUAL PHLOX

### Phlox Drummonndi

Large verbena-like flower growing in clusters on long strong stems. Compact plant. Fine for bedding, borders and cut flowers. Plant in the open in the fall and winter months for a gorgeous display of blooms during the spring months.

**GRANDIFLORA MIXED**—Pkt. 10c, 1/4 oz. 75c.

**GIGANTEA ART SHADES, MIXED**—Individual flowers immensely large. Color tones beautiful and unusual. Height 12 to 18 inches. Mixed colors. Pkt. 15c, 1/8 oz. 60c, 1/4 oz. \$1.00.

**PHLOX, ROSY MORN**—Giant single, annual phlox of brilliant rose with a white eye. Extra large flowered, pleasing color combination and an early, free bloomer. True and uniform. Twelve inches tall. Pkt. 25c, 5 pkts. \$1.00.

**SALMON GLORY**—Gigantic single florets in very large clusters. An outstanding novelty, pure salmon in color with a distinct creamy white eye. See color illustration page 4. Pkt. 25c, 5 pkts. \$1.00.

## Portulaca

**(Moss Rose)** A very showy low growing bedding plant about 6 inches high with fine foliage. Bears a profusion of cup-shaped flowers in brilliant colors of red, orange, yellow, rose, pink and white. Plant during the spring months in a sunny location.

**DOUBLE FINEST MIXED**—Flowers perfectly double. See color illustration page 46. Pkt. 20c, 1/8 oz. 70c, 1/4 oz. \$1.25, oz. \$3.50.

**SINGLE MIXED**—Resembles a small wild rose. Pkt. 15c, 1/8 oz. 50c, 1/4 oz. 85c, oz. \$2.50.



*Nierembergia Hippomanica*

## Pyrethrum

**ROSEUM**—Large Marguerite-like flowers with fine fern-like foliage. Graceful and long lasting cut flowers. Height 2 ft. Plant during the fall and winter months.

**SINGLE MIXED**—Pkt. 10c, 1/8 oz. 40c.

## Queen Anne's Lace Flower

This hardy annual grows to a height of 3 to 4 feet. The large loosely formed terminal clusters of tiny white flowers are used extensively as cut flowers. Plant during the fall and early winter months. Pkt. 10c, 1/4 oz. 25c, oz. 75c.

## Ranunculus

Full rose-like blooms on strong stems 1 ft. high. Grown from seed or bulbs. Flowers double, semi-double and single in shades of red, orange, gold, pink and white. Plant during the fall months in well drained soil and a sunny location.

**MIXED COLORS**—Pkt. 10c, 1/4 oz. 40c, 1/2 oz. 70c.

## Salpiglossis

Very showy bedding or border plants, with richly colored, funnel-shaped flowers, which are purple, scarlet crimson, yellow, buff, blue and almost black. Height 2 1/2 feet.

**SUPERBISSIMA MIXED**—Containing many lovely color combinations. Pkt. 10c, 1/4 oz. 35c.

## Salvia

**SCARLET SAGE**—The most brilliant colored flowers and extremely useful for bedding. Blooms are of fiery red crimson color, continuing to flower for a long time. Tender perennials. Plant in early spring. See color illustration page 46. Pkt. 25c, 5 pkts. \$1.00.

## Scabiosa

**(Mourning Bride or Pincushion Flower)** Annual resembling a round pincushion. The flowers grow on long wiry stems, 2 1/2 ft. high. They bloom profusely and are a lovely addition to the garden or in bouquets.

**AZURE FAIRY**—Blue. **CRIMSON.**  
**WHITE.** **ROSE-PINK.**

Each color: Pkt. 10c, 1/4 oz. 25c.

**GRANDIFLORA MIXED**—All colors mixed. Pkt. 10c, 1/4 oz. 25c, oz. 65c.



*Salpiglossis Superbissima Mixed*

## Schizanthus

Unique irregular shaped notched and blotched flowers resembling the orchid. Colors are many and varied. Plant in the open during the fall months. Height about 1 ft. Annual. Pkt. 10c, 1/4 oz. 40c, 1/2 oz. 70c.

## Straw Flowers

### (EVERLASTING)

Straw Flowers (Everlasting Flowers) are hardy annuals, bearing beautiful straw-like flowers in various form and many colors. They may be used for fresh cut flowers, or to preserve, cut the first day they open and hang with heads down until dry. We offer the most popular varieties:

**GOMPHRENA or GLOBE AMARANTH**—Sometimes known as Bachelor Button. Very attractive globe-shaped flowers resembling a clover blossom. Plant during the early spring months for summer and fall blooms. Height, 2 feet. **Mixed colors.** Pkt. 10c, oz. 60c.

**HELICHRYSUM**—Flowers hang like little bells on stems 2 1/2 feet high. Plant during the fall and winter months. **Mixed colors.** Pkt. 10c, 1/4 oz. 35c.

**RHODANTHE**—Colorful daisy-like flowers. Height 2 1/2 ft. Plant during the fall and winter months. **Mixed colors.** Pkt. 10c, 1/2 oz. 40c, oz. 75c.

## LIEFGREEN'S PEAT MOSS



Peat moss is a valuable soil improver for all gardens. It consists chiefly of decomposed vegetable or organic matter and increases the humus content of the soil. It is spongy in nature and absorbs ten times its weight in water which it releases to the plants during periods of drought. Use Peat Moss liberally on flower and vegetable gardens and as a top dressing for lawns. Mulch roses, fruit trees and other shrubs to conserve moisture in the soil. A bale of Peat Moss when loosened will cover 700 square feet of soil.

Carton of 3 bu. \$2.00; bale \$4.00, f.o.b. Phoenix.

# Dried Everlastings for Beautiful Flower Arrangements

**STATICE SINUATA**—Plants grow to a height of 1½ to 2 ft. and throw large sprays of tiny flowers. Most popular for the garden and as cut flowers, both fresh and dried. Plant during the fall months. We have this in individual colors:

Blue	Yellow	Rose	Lavender	White
Each: Pkt. 10c. oz. 30c.				
Mixed colors: Pkt. 10c. oz. 25c.				

**STATICE CASPIA**—Smaller flowers than Sinuata, same habit. **LAVENDER** only. Plant during the fall months. Pkt. 10c, ½ oz. 75c.

**XERANTHEMUM**—Attractive flowers resembling a small double sunflower. Height 2 to 3 feet. Colors bright rose, purple and white. Very free flowering. Plant during the fall and winter months. Pkt. 10c, ¼ oz. 25c.

**MIXED STRAW FLOWERS**—A mixture made up of the various varieties. Pkt. 10c, ¼ oz. 25c.

## Ornamental Gourds

Easily grown in any good garden soil. Plant in the spring after danger from frost. Ornamental on the vine and when well dried and covered with shellac or painted in bright colors, gourds lend themselves to many useful and ornamental purposes. Gourds should remain on the vines until they drop easily, then allowed to cure for a couple of months before decorating.

**WARTED SORTS**—Small. Mixed colors and shapes.

**SMALL VARIETIES MIXED**—Many and varied shapes and colors.

**LARGE VARIETIES MIXED**—All popular large varieties.

**LARGE AND SMALL VARIETIES MIXED**—As above.

Each: Pkt. 10c, ½ oz. 30c, oz. 50c.

## Ornamental Indian Corn

The kernels are naturally colored in a variety of shades ranging from a very deep wine red through shades of deep orange, gold and light maize with some blues. All colors on the same ear. Pkt. 10c, ¼ lb. 25c, lb. 75c, postpaid.



*This is what makes plants and flowers beautiful and vegetables yield larger, earlier crops.*

Your potted plants, flower boxes and outdoor garden flowers can easily be made lovely, healthy, strong and covered with green foliage while the blooming type will reward you with quantities of sweet scented blossoms, by feeding them regularly with Fulton's Plantabbs.

Vegetables amaze with earlier maturity and increased yields when fed this excellent plant food.

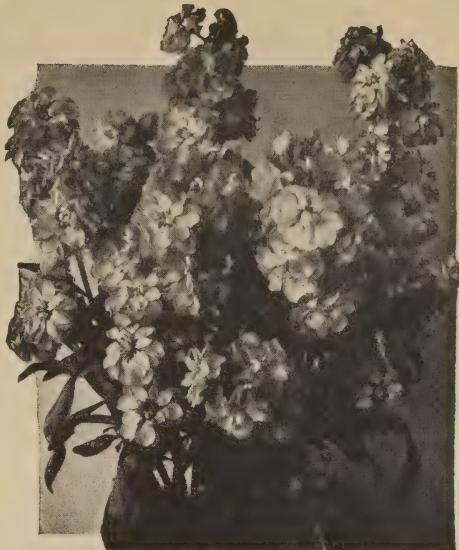
Fulton's Plantabbs are clean, odorless, easy to use TABLETS providing a full measure of rich foods PLUS all the Vitamin B-1 needed by deficient plants. Concentrated, yet so safe will not burn even tenderest foliage.

Plant like seed near stems or easily made into rich liquid fertilizer. We recommend them highly and suggest the larger sizes for economy.

Box of 10 Tablets..	\$ .10
Box of 30 Tablets..	.25
Box of 75 Tablets..	.50
Box of 200 Tablets..	1.00
Box of 1000 Tablets..	3.50



POSTPAID



*Liefgreen's Double Giant Imperial Stocks*

## Stocks

**GIANT DOUBLE IMPERIAL**—This wonderful new strain of Stocks is branching in habit, very double florets in great profusion on long, strong stems. Sow *seeds* in the fall in the open ground. Thin to 12 inches and remember the most delicate plants are usually the ones that produce the best double flowers. Annual. Height 18 in. to 2 ft. See color illustration page 13.

<b>FLOOD RED</b>	<b>LAVENDER</b>	<b>GOLDEN ROSE</b>
CHAMOIS (Ivory)	ROSE PINK	YELLOW

**DARK BLUE**

Each Color: Pkt. 15c, ½ oz. 75c, ¼ oz. \$1.25.

**GIANT IMPERIAL MIXED**—All colors mixed. Pkt. 10c, ½ oz. 60c, ¼ oz. \$1.00.

## Sunflower

(*HELianthus*)

**SUNGOLD**—Massive bright golden yellow very double flowers on 3 to 4 foot stems. Good foliage, strong stems for cutting. Very striking and showy. See color illustration page 46. Pkt. 10c, ½ oz. 35c, oz. 60c.

**DWARF RED SUNFLOWER**—The plant is of a freely-branching habit with well-shaped dark-centered flowers of bright chestnut red, merging to a yellow at the tips of the petals. Height 6 feet. Pkt. 10c, oz. 30c.

## Sweet William

(*Dianthus Barbatus*) Vigorous free-flowering perennial. Individual florets grow in flat clusters on long stems. Plant large and compact. Colors are crimson, scarlet, pink and white with variations. Plant during the fall months. Height 1 to 1½ ft.

**DOUBLE MIXED**—Pkt. 10c. ¼ oz. 30c.

**SINGLE MIXED**—Pkt. 10c, ¼ oz. 30c.

## Tithonia Speciosa

(*MEXICAN SUNFLOWER*)

**BRIGHT ORANGE**—Immensely tall plants with large bright flowers resembling a large double sunflower. Center yellow crested. Plant during the spring months for late summer and fall blooming. Best planted along a fence or building as they grow 6 to 8 feet tall. Pkt. 10c, ¼ oz. 50c, oz. \$1.50.

**FIREBALL (Speciosa Grandiflora)**—This new Tithonia is the same in growth and habit as the Bright Orange except the color is a fiery orange red and blooms somewhat later than the orange. See color illustration page 4. Pkt. 25c, 5 pkts. \$1.00; ½ oz. 60c.

# Liefgreen's Quality Seeds Assure Successful Gardens



Verbena Hybrida Giants

## Liefgreen's Beautiful Verbenas

Verbenas grow low on the ground but have a spread of from 12 to 18 inches. The lovely individual florets grow in large clusters and the flowers may be used for cutting, or for very colorful beds and borders. Plant in the open during the fall, winter and spring months as they bloom practically all year round in Arizona. Allow plenty of space between plants. Plant seed shallow in a finely made rich soil and keep moist but not wet until plants are up.

### HYBRIDA GIANT VERBENAS—

Giant Spectrum Red—Very large and brightest of all reds.

Giant Beauty of Oxford Hybrid—Brilliant rose shades.

Giant Salmon Pink—Huge pink clusters.

Giant Violacea Stellata—Deep purple with white eye.

Giant Pure White—A giant pure white combining well with all colors.

### HYBRIDA GIANTS MIXED—

Contains all of the above colors and many others and blended for the proper color values. You will find the giant strains far superior to the old small flowered varieties.

All of the above: Pkt. 15c,  $\frac{1}{8}$  oz. 50c,  $\frac{1}{4}$  oz. 85c.

HYBRIDA VERBENAS—Mixed colors only. Pkt. 10c,  $\frac{1}{4}$  oz. 40c, oz. \$1.25.

## Venidium

Flowers grow to 4 or 5 inches in diameter on tall stems standing well above the gray-green foliage. Daisy-like with overlapping petals. Center blue-black with a lighter shade ray. Plant in full sun during the fall and winter months. Height 2 feet.

VENIDUM FASTUOSUM—Orange yellow. Very large and bright. Pkt. 20c,  $\frac{1}{8}$  oz. 75c,  $\frac{1}{4}$  oz. \$1.25.

VENIDUM HYBRIDS—Mixed shades of apricot, white, salmon, yellow and orange. Pkt. 25c,  $\frac{1}{8}$  oz. \$1.00,  $\frac{1}{4}$  oz. \$1.75.

## Vinca Rosea

(Periwinkle) Ornamental bush-like plants with dark glossy foliage and handsome free-flowering blossoms in pink and white, like the floret of a very large single phlox. Plant seed in the early spring. Perennial. 16 to 18 inches tall. See color illustration page 46.

MIXED COLORS—Pkt. 10c,  $\frac{1}{4}$  oz. 40c.

## Virginian Stocks

Very attractive hardy annual, producing innumerable bright colored tiny flowers on thin stems and largely grown for beds and borders. Height 6 to 12 inches. Colors: Crimson, Lavender, Rose, Yellow, and White.

MIXED ONLY—Pkt. 10c,  $\frac{1}{2}$  oz. 40c, oz. 75c.

## Arizona Wild Flower Mixture

A fine mixture of many species. They may be planted from early fall to early spring, a longer blooming period resulting from the fall planting. Annuals. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.60, 1 lb. \$5.00.



Mixed Violas

## Viola

Violas are very much like pansies, though the individual blooms are smaller. They are excellent for bedding, massing or borders as they bloom in great profusion over a long period. Thrive best in a light, rich soil in a semi-shady location. Plant during the fall months. Height 6 inches.

MIXED COLORS—Pkt. 15c,  $\frac{1}{8}$  oz. 75c,  $\frac{1}{4}$  oz. \$1.25.

## Wallflower

The velvety single flowers grow in loose clusters on long stems covered with long narrow leaves. The colors are in rich mellow tones of bronze, copper and golden buff. Plants are vigorous and grow to a height of 1 to 1½ ft. Plant during the fall months. Thin to 1 ft.

GOLDEN GEM—Bright golden yellow. Pkt. 10c,  $\frac{1}{4}$  oz. 25c,  $\frac{1}{2}$  oz. 45c.

MIXED COLORS—Pkt. 10c,  $\frac{1}{4}$  oz. 20c,  $\frac{1}{2}$  oz. 35c.



And . . .

You can't

"GO WRONG" because it is still available at last year's low price. . . . You will "GROW RIGHT" because it contains the vital food elements plants require. For greener lawns . . . larger flowers and more vegetables feed GRO-RITE. Available in sizes from 2½ lbs.

# Liefgreen's Flower Planting Chart for Arizona Gardens

FOR SALT RIVER VALLEY AND SIMILAR CLIMATES

Botanical and Common Name	Height	Planting Time	Remarks
Ageratum, Floss Flower	4-12 inches	September-February	A.
Althea, Hollyhock	6-7 feet	September-April	A, P.
Alyssum, Sweet Alyssum	6-8 inches	August-March	A.
Amaranthus, Love Lies Bleeding	2-3 feet	March-June	A, Sun.
Anagallis, Pimpernel	1 foot	September-February	A, Sun.
Anemone, Windflower	1 foot	September-February	Bulb, Sun.
Antigonon, Queen's Wreath	1 foot	February-July	P, Vine, beautiful pink flowers.
Antirrhinum, SNAPDRAGON	1-3 feet	September-February	A, Sun, thin to 10 inches.
Aquilegia, COLUMBINE	2-3 feet	September-February	P, semi-shade.
Arctotis, Blue-eyed African Daisy	1-2 feet	September-January	HHA, sun, winter flowering.
Aster	2 feet	February	A, best in cold sections.
Asparagus, Asparagus Fern		February-June	P, Vine for foliage.
Bellis, English Daisy	4-5 inches	September-January	A (P) spring flowering.
Browallia	18 inches	September-February	HHA.
Cactus		February-August	P, curious group.
Calendula, Pot Marigold	12-18 inches	September-February	A, thin to 12 inches.
Calopsis	2-3 feet	September-May	A, sun.
Campanula, Canterbury Bells	2 feet	September-October	A, Bien., sun.
Canna	3-4 feet	September-March	P, Bulb.
Cardiospermum, Balloon Vine		February-July	A, Vine.
Celosia, COCKSCOMB, Woolflower	2-3 feet	March-July	A, thin to 10 in.; sun.
Centurea, Bachelor Button, Cornflower	12-14 inches	September-February	A, sun. Incl. best blue.
Sweet Sultan	2½ feet	September-February	A, sun.
Cheiranthus, WALLFLOWER	1-1½ feet	September-March	A, thin to 1 ft.
Chrysanthemum, PAINTED DAISY	2 feet	February-October	P, sun. Good cut flower.
Shasta Daisy		September-February	A, sun or part shade.
Clarkia	18-24 inches	February-July	P, beautiful flowers.
Cobaea, Cup and Saucer Vine	1-2 feet	Early Spring	P, colored foliage.
Coleus	2-3 feet	September-February	P, full sun.
Coreopsis	1-2 feet	February-August	A, full sun, keep bushy.
Cosmos	2-3 feet	September-March	A, sun. Rich soil.
Delphinium, LARKSPUR	4-8 feet	September-February	HA, sun; thin to 8 in.
Delphinium, Perennial	2-3 feet	September-March	A, P, set 12 in., part shade.
Dianthus, PINKS	3-5 feet	September-January	A, bien. Sun.
CARNATIONS	10-12 inches	September-March	A, sun.
Sweet William	12-18 inches	September-February	A, bien., part shade.
Didiscus, Blue Lace Flower	1-2 feet	September-January	A, sun.
Digitalis, Foxglove	3-4 feet	September-February	A, sun.
Dimorphotheca, African Daisy	12-18 inches	August-March	A, Vine.
Dolichos, Australian Pea Vine and Hyacinth Bean	1 foot	September-March	A, Sow where to grow.
Echscholtzia, CALIFORNIA POPPY	2-3 feet	February-July	A, sun.
Euphorbia, Snow on the Mountain and Poinsettia	1½-2 feet	September-March	A, P, Full sun. Showy.
Gilia, Blanket Flower	2 feet	April-July	P, sun, good drainage.
Gerbera, Transvaal Daisy	2 feet	September-April	P, sun or partial shade.
Geum, Avens	2-3 feet	September-March	P, full sun, sow in open.
Glaucium, Horned Poppy	1-1½ feet	September-January	A, semi-shade to sun.
Godetia	2 feet	September-April	A, sun. Everlasting.
Gomphrena, GLOBE AMARANTH	18-24 inches	September-February	A, sun. Showy summer flowers.
Gypsophila, BABY'S BREATH	4-6 feet	March-July	HA, sun. Everlasting.
Helianthus, Sunflower	2½ feet	September-February	P, fragrant flowers.
Helichrysum, Strawflower	1-2 feet	Early Spring	P, sow where to grow.
Heliotropium, Heliotrope	2 feet	September-October	A, sun, showy flowers.
Hunnemania, Tulip Poppy	1½ feet	September-February	TA, semi-shade.
Iberis, CANDYTUFT	2 feet	February-March	A, Vine, sow after frost.
Impatiens, BALSAM, Lady Slipper	1-2 feet	February-July	A, sun, colors up in summer.
Ipomoea, MORNING GLORY, Cypress Vine	1-2 feet	February-June	A, vines. Showy fruits.
Kochia, Burning Bush, Summer Cypress	1-2 feet	March-July	P, comes back if frozen.
Lagenaria, ORNAMENTAL GOURDS	2-3 feet	September-July	A, see special culture.
Lantana, Lantana		September-February	A, sun.
Lathyrus, SWEET PEA	2 feet	September-February	A, P, sun.
Linaria, Baby Snapdragon	1½-3 feet	September-March	A, beautiful blue border.
Linum, Flax	4-6 inches	September-February	A, thin to 12 inches.
Lobelia, Lobelia	2-3 feet	September-January	A, Bulb cover, showy.
Lupinus, Lupin	6-12 inches	August-February	A, sun.
Malcomia, VIRGINIAN STOCKS	6-8 inches	September-February	A, thin to 12 inches.
Matthiola, Evening Scented Stock	18-24 inches	September-February	A, P, full sun, poor soil.
Giant Imperial STOCK	8 inches	Fall, Early Spring	P, sun, tubers can be dug.
Mesembryanthemum, Ice Plant	2 feet	February-March	A, Vine.
Mesembryanthemum, FOUR O'CLOCK	1 foot	February-July	A, cool damp location.
Momordica, Balsam Apple	15-24 inches	Early Spring	A, showy dwarf annual.
Myosotis, Forget-Me-Not	1-2 feet	September-January	A, excellent bulb cover.
Nasturtium	6 inches	September-February	A, sun, fragrant.
Nemophila, Baby Blue Eyes	3-4 feet	September-July	P, sun.
Nicotiana, Flowering Tobacco	6 inches	September-February	HA, sun.
Nierembergia, Blue Cup Flower	1 foot	September-February	A, P, Sow where to grow.
Nigella	15-24 inches	September-January	P, sun or part shade.
Papaver, POPPIES	1-2 feet	September-April	A, P, Thin to 8-12 in., sun.
Pelargonium, GERANIUMS	3-30 inches	September-April	A, sun, showy.
Petunia, PETUNIA	2 feet	August-January	A, full sun, hot dry places.
Phlox	6 inches	March-August	P, full sun.
Portulaca, Moss Rose	2 feet	September-February	A, sun.
Pyrethrum	3 feet	September-February	Bulb, well drained soil, sun.
Queen Anne's Lace	2 feet	September-February	A, shade or sun.
Ranunculus	2 feet	September-February	A, full sun. Everlasting.
Reseda, MIGNONETTE	6-12 inches	September-February	A, sun.
Rhodanthe, Swan River Everlasting	2½ feet	September-February	A, sun, careful watering.
Ricinus, CASTOR BEANS	6-8 feet	March-July	TP, sun, bedding.
Salpiglossis, Painted Tongue	2½ feet	September-March	A, sun.
Salvia, Scarlet Sage	1-2 feet	September-February	A, sun.
Scabiosa, Pincushion Flower	2½ feet	September-February	A, sun.
Schizanthus, Butterfly Flower	1 foot	September-January	HA, sun; everlasting.
Statice, Sea Lavender	1½-2 feet	September-February	A, sun, light soil; thin to 10-12 in.
Tagetes, MARIGOLD, French, African	12-30 inches	March-August	P, full sun.
Tithonia, Mexican Sunflower	6-8 feet	March-August	A, dry poor soil; sun.
Tropaeolum, NASTURTIUM	12-14 inches	March-Early September	A, full sun.
Venidium, Monarch of the Veldt	2 feet	September-March	A, sun, blooms continuously.
Verbena, VERBENA	1 foot	September-June	P, sun.
Vinca, Periwinkle	16-18 inches	February-July	A, semi-shade, transplant 8-12 in.
Viola, PANSY, VIOLA	6 inches	September-March	HA, everlasting, sun.
Xeranthemum, Everlasting	2-3 feet	September-January	A, thin to 12 in. Full sun.
Zinnia, ZINNIA	6 inches-4 feet	March-August	

A, annual; B, biennial; P, perennial; HA, hardy annual; HHA, half hardy annual.

# PLANT LIEFGREEN'S Tried and Tested Seeds



Known to the seed trade throughout the Southwest, A. W. (Bert) Liefgreen owns and operates the corporation that bears his name—The Liefgreen Seed Company.

Mr. Liefgreen has had long experience in the growing and selling of flower, vegetable and field seeds, bulbs and nursery stock. Much of Mr. Liefgreen's experience in his chosen field has been gained in the Salt River Valley. His twenty-six years of experience during his residence in Arizona has given him the opportunity to observe and compile data on growing conditions dependent upon irrigation. Such practical experience gives him an understanding of the problems of gardening and makes him appreciate your desires for hardy and beautiful things. He invites you to draw upon his knowledge for your benefit and results.

It has always been the policy of The Liefgreen Seed Company to sell results—not just seeds. The entire business of this establishment is predicated on this policy. You are invited to consult freely with the personnel of the LIEFGREEN SEED COMPANY, Inc.

## HOW TO ORDER BY MAIL

**YOUR NAME AND ADDRESS**—Be sure that your name and address are written very plainly on each order.

**IT MATTERS NOT HOW SMALL YOUR ORDER** nor what you may want in the seed line, we shall be glad to hear from you. Our ambition is to serve you in a manner that will make you one of our satisfied customers.

**MARKET GARDENERS** should avail themselves of Market Gardeners' privileges and write for special quantity prices.

**ERROR IN FILLING ORDERS**—We use the greatest of care in filling, checking and packing orders. Yet should anything be omitted we will promptly forward when advised. Keep a duplicate copy of your order for comparison.

**REMITTANCES** may be made by Express Money Order, P. O. Money Order or Bank Draft; if stamps or cash, send in registered letter. We must decline sending goods C.O.D. unless 25 per cent of their value accompanies the order.

**ACCOUNTS**—Parties having no account with us, who order goods without remittance, must furnish satisfactory reference.

**WE CARRY ONLY ONE GRADE OF SEED**—That is the best procurable. We fill all of our own seed packets from fresh seed of the highest purity and germination. Follow our Planting Guide and Cultural Directions as given in our catalog.

**NON-WARRANTY**—We give no warranty, express or implied, as to the productiveness of any seeds or bulbs we sell and we will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seed.

## DOMESTIC PARCEL POST RATES

For the convenience of our out-of-town customers we list many items at postpaid prices.

For Items Not Listed Postpaid, Customer May Figure Rate from Chart Below

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Weight limit 70 lbs. Local delivery, 1st lb. 7c; each add'l. 2 lbs. 1c.	First Pound or Fraction	Additional Pound or Fraction
First Zone, Phoenix and within 50 miles of Phoenix	8c	1c
Second Zone, within 50 to 150 " " "	8c	1c
Third Zone, within 150 to 300 " " "	9c	2c
Fourth Zone, within 300 to 600 " " "	10c	4c
Fifth Zone, within 600 to 1,000 " " "	11c	5c
Sixth Zone, within 1,000 to 1,400 " " "	12c	7c
Seventh Zone, within 1,400 to 1,800 " " "	14c	9c
Eighth Zone, within all over 1,800 " " "	15c	11c

ADD 2% TO COVER STATE RETAIL SALES TAX (Customers outside of Arizona need pay no Sales Tax.)

Prices subject to change without notice.

## Free Parking When You Come to Liefgreen's

DIRECTLY EAST OF OUR STORE is our spacious parking lot. Drive in, make yourself at home, no confusion, no tickets, no bother, and avoid the trouble that comes when you try to park in the more congested areas.



# 1943 VEGETABLE SEEDS

*Carefully Tested and Selected for Home Gardeners and Market Gardeners*

## ASPARAGUS

**CULTURE**—Soak seeds 24 hours before planting. Sow in February and March in rows, covering seed about 1 inch. The following winter transplant to rows 3 to 6 feet apart and a foot apart in the rows, with at least 10 inches covering. Asparagus prefers light loamy soils.

**PALMETTO**—Light green; very popular. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 30c, 1 lb. \$1.00, postpaid.

**SELECTED MARY WASHINGTON** — A new giant rust-proof variety. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c. 1 lb. \$1.50, postpaid.

## Asparagus Roots

Plant one year old roots and do not cut them back. When planting see that the roots are well spread out so that the soil will touch every part. If this is not done the plant cannot thrive.

**MARY WASHINGTON ROOTS** — 40c per doz., \$2.00 per 100. \$15.00 per 1000, postpaid.

## BEANS ASK FOR QUANTITY PRICE

We Can Always Supply Any Quantity for Large Plantings

**PRICES ON BEAN SEED** — Unless otherwise stated prices are uniformly as follows: Pkt. 5c,  $\frac{1}{4}$  lb. 15c.  $\frac{1}{2}$  lb. 25c. lb. 45c. 10 lbs. \$4.00, postpaid.

## Beans—Dwarf or Bush Green Pod

**LIEFGREEN'S TENDERGREEN**—This is a new Bush Bean of utmost value. The plants make a strong and vigorous growth. They are well branched and carry a great quantity of beautiful light green beans. The pods grow 6 to 7 inches long. They are round, extremely meaty, and tender. Even when fully grown they are absolutely stringless.

**LIEFGREEN'S STRINGLESS GREEN POD**—This stringless green pod bean is one of the most popular beans in America. In earliness it is in the lead, in quality it is unexcelled, and as a cropper it is unrivaled. The straight fleshy, round, thick pods are stringless.

**CULTURE**—For a spring crop plant in February, March and April, according to the location. For fall crop, plant in August and early September. Beans enjoy a well-drained loamy soil. Irrigate beans only when needed and do not flood the vines. Cultivate frequently and before the soil has a chance to crust. Plant Bush Beans about 3 inches apart in 3-foot rows at the rate of about 1 pound to 100 feet of row and from 75 to 100 pounds per acre. Plant Pole Beans at the rate of 1 pound to 200 feet of row and about 40 pounds per acre.

PRICES LISTED ARE POSTPAID  
WRITE FOR QUANTITY PRICES

## Beans—Bush, Wax Pod

**IMPROVED BLACK WAX**—Round podded. A beautiful bright yellow color, very early and continues long in bearing. Very productive.

**IMPROVED GOLDEN WAX**—This bean is a distinct improvement on the old Golden Wax.

## Pole Beans

**KENTUCKY WONDER (Brown Seeded)**—Very early and enormously productive. Entirely stringless, very tender. Plant as early in the spring as possible, and again in the latter part of July to the 20th of August.

**KENTUCKY WONDER (White Seeded)**—The nearly round, silvery green pods are tender, fleshy and stringless. Excellent snap bean; the dry beans good for baking. An improved rust-resistant strain.

## Lima Beans

**LIEFGREEN'S IMPROVED BUSH LIMA**—The earliest maturing of all the large seeded Limas.

### POLE LIMAS

**LARGE LIMA**—A pole variety, large seeded, bearing usually three to four beans to a pod.

## Henderson's Bush

Also called Baby Lima, Small White Lima Bean, of excellent flavor, enormously prolific.

**FORDHOOK LIMA**—A large bush Lima.



# Plant a Victory Vegetable Garden – Help Win the War!



Beet, Early Wonder

**BEET, EARLY WONDER**

The best table and canning beet we offer. The slightly flattened dark red beets have small tap roots and excellent flavor. Young tops may be used as greens.

All of our planting instructions are for the Salt River Valley and similar climates. See page 37 for planting dates if you live at higher altitudes in Arizona.

The sketch below shows a few helpful hints on seed planting. First of all in importance is a carefully prepared seed bed—deeply dug, finely broken up and raked smooth to receive the seed. Enrich the soil with peat, manure or other humus material at the time of spading.

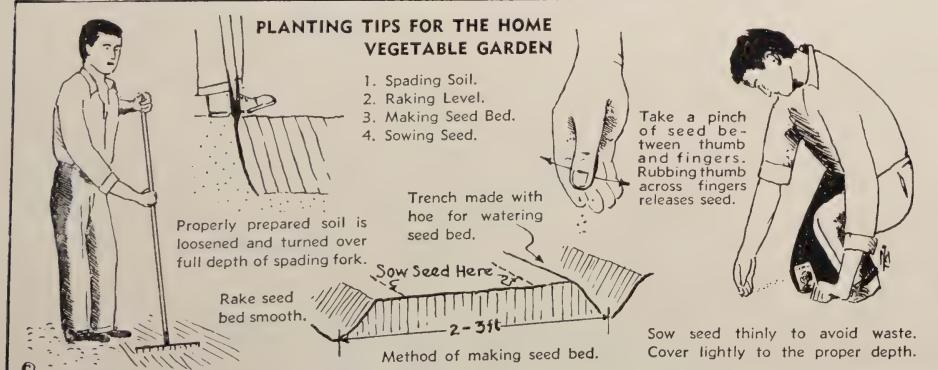
If your soil has a tendency to crust over or "bake" after watering, we suggest applying a mulch of finely pulverized manure, peat or grass clippings. This will keep the water content of the soil more uniform and assist germination.



ONION, SWEET SPANISH

A popular sweet onion for home and market gardens.

For the beds, make furrows from 2 to 3 feet apart. Run water from a hose or ditch, all the way through the beds. This will enable the gardener to determine high and low spots according to the water level, and accomplish a complete leveling.



LIEFGREEN SEED CO., Phoenix, Arizona

The ever dwindling supply of farm labor and increased freight loads of our railroads and other factors, with which we are all familiar, is changing the buying habits of everyone. Those of us who are fortunate to be garden minded can grow vegetables at home equal in quality to those available before the war and better than the average available today. We need not replant our gardens unless by so doing we achieve a better garden than we had before. The use of flowers with vegetables as we suggest here will give great satisfaction. You will have flowers, as before, and at the same time will be relieving the growers of much responsibility in meeting their ever increasing demands for produce. Grow all the vegetables you can and preserve the surplus.

Making a Victory garden is not as complicated as it may seem. With a good plan to work from, it is possible on a small area to produce an amazing quantity of vegetables and flowers. Very much depends on the area of ground available but the average city backyard, which is probably the most restricted in size, will produce many green vegetables, a number of root vegetables, and if vines are trained on the fences—all the cucumbers and beans you will need. Pumpkins and squash can still be grown among the corn to save space.

Flowers can be planted to be seen from the house, in just the right amount for color and accent to make the garden cheerful. Select old favorites and a few novelties for pleasant variety. In this way your Victory garden will serve a real need. You will be well repaid in vegetables to eat and flowers for the house.

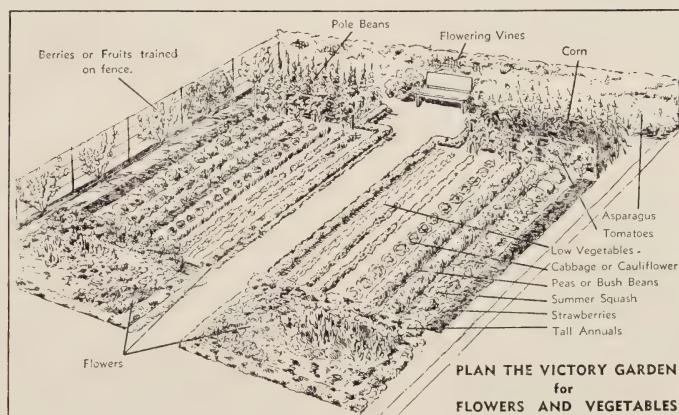
Plan for all year growing. What you plant this fall must not interfere with spring planting for summer crops. Short season crops will be used quickly and should be replanted as long as the season permits. In this way one row will produce the equivalent of several, but fertilizing is necessary to replace the nutrient extracted by the previous crop.

This planting guide is filled with essential information gained from years of experience in this climate. We offer these suggestions so your garden will give better crops of flowers and vegetables. But, all these may not secure success if common sense in the location of the garden, its planting, preparation of soil and care of the plants is not followed. Even more important is the use of **good seed**. Liefgreen's reputation has been built on supplying the finest seed of the best varieties for Arizona growing conditions. You can depend on seeds from us.



**RADISH, EARLY SCARLET TURNIP**

Radishes are about the easiest vegetable to grow. Sow any time of the year except the hottest months and have a continuous supply of fresh, crisp radishes for the table.



A good working plan saves time and effort. This plan gives ample space for flowers and vegetables. Crops can be rotated without re-making the garden.



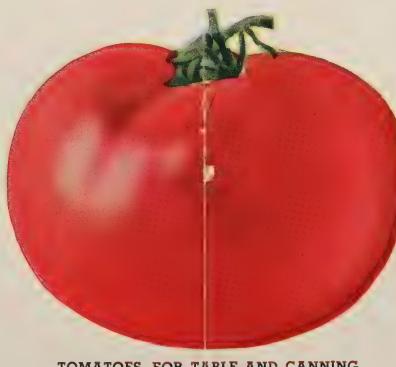
**CANTALOUPE, HALE'S BEST NO. 45**

An early ripening, mildew resistant melon for the home and market gardener. Deep salmon thick flesh of finest flavor. Melons are oval, heavily netted and faintly striped.

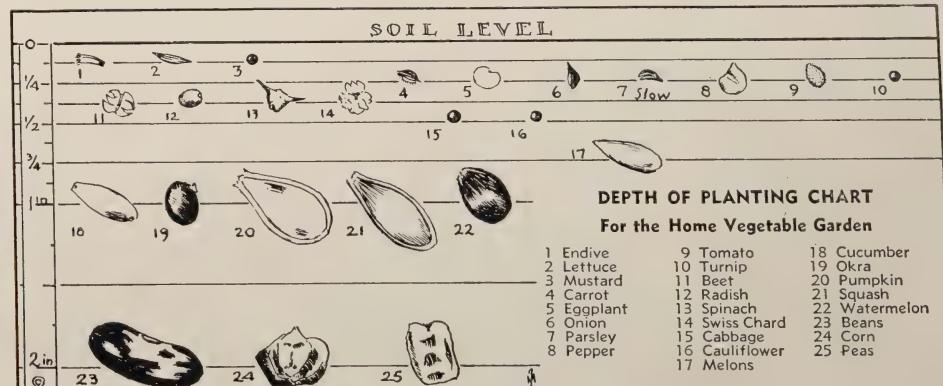
The home gardener grows his plants under widely different conditions from those experienced by the commercial market gardener. Vegetable gardening here is little more than a variation of flower gardening. Seeds can be given better care in watering, weeding and later in cultivation and picking the crop is a small scale operation.

The sketch below shows the proper depth of planting we recommend for vegetable gardeners to cover their seed. It is best not to follow the depths recommended for field grown crops, which would be too deep for the home garden.

Many vegetable seeds are scarce and although there is enough to go around we should not waste seed. Sow thinly and evenly, paying attention to the depth of covering recommended.



**TOMATOES, FOR TABLE AND CANNING**



LIEFGREEN SEED CO., Phoenix, Arizona

# Liefgreen's Vegetables for Vitamins and Flavor



Peas, Early Laxton's Progress



Carrot, Imperator



Corn, Golden Cross Bantam

## "GARDEN FRESH" Vegetables are the Best Source of Health Giving Vitamins

Vegetables harvested fresh from the home garden are, in addition to their richness in essential vitamins and minerals, are most delectable. Picked in the garden, they come to the kitchen minutes fresh, full of their goodness and flavor.

On this page we list a few that deserve a place in every home garden.

**PEAS, Laxton Progress**—An early variety recommended for home and market gardens. Large pods well filled with fine quality peas. Pkt. 5c,  $\frac{1}{4}$  lb. 15c,  $\frac{1}{2}$  lb. 25c, lb. 45c, 10 lbs. \$4.00, postpaid.

**CARROTS, Imperator**—Long tapering bright orange carrots with round shoulders and indistinct core. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.50.

**CABBAGE, Select Golden Acre**—An early cabbage producing small heads averaging 2½-3 pounds. Pkt. 10c, oz. 60c,  $\frac{1}{4}$  lb. \$2.00.

**CORN, Golden Cross Bantam**—One of the most prolific and best flavored hybrid sweet corn, this variety has become popular with market gardeners and deserves a place in the home garden. Pkt. 10c,  $\frac{1}{4}$  lb. 20c,  $\frac{1}{2}$  lb. 35c, lb. 60c.

**CUCUMBER, Colorado**—Popular and outstanding variety. Practically the same diameter from end to end. Delicious in salads. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.15.

FOR OTHER VARIETIES AND QUANTITY PRICES  
OF THE ABOVE SEE FOLLOWING PAGES.



Cabbage, Select Golden Acre



Cucumber, Colorado

# Liefgreen's Quality Seeds for Successful Crops



Beet, Early Wonder

## Liefgreen's Selected TABLE BEET SEEDS

**CULTURE**—In the warm sections of Arizona Beets may be planted from August 1 until May 1. In the higher altitudes planting may commence as soon in the spring as weather conditions will allow. Two ounces of seed will plant 100 feet of row and 8 to 10 pounds are required per acre. Plant in rows of 18 to 24 inches apart and thin to 3 or 4 inches in the row. Cover the seed  $\frac{1}{2}$  inch deep and firm the soil after planting. Beets enjoy a light, rich, loamy soil, and frequent cultivation is necessary for rapid and tender growth.

**PRICES ON TABLE BEET SEED.** Pkt. 5c. oz. 25c.  $\frac{1}{4}$  lb. 75c. 1 lb. \$2.50.

Please write for prices in larger quantities.

**EARLY WONDER**—A very fine market and table beet. This is an early beet with a very small tap root, small top and is of exceptionally fine dark red color. The beets are slightly flattened and mature very evenly. For a table as well as a canning variety we cannot recommend it too highly.

**DETROIT DARK RED**—This is a fine main crop all-purpose beet. Sweet, tender and fine grained.

**EARLY BLOOD TURNIP**—Flesh very tender and retains its blood red color when cooked. type.

**CROSBY'S EGYPTIAN**—Our Crosby's is a very superior extra early strain of garden beet which has been very carefully selected for type.

## STOCK BEETS

Stock Beets are recognized as a very valuable stock food.

**CULTURE**—Sow seed 1 inch deep in well cultivated soil in drilled rows 18 inches to 3 feet apart, the distance depending on the method of cultivation. When large enough, thin plant to 10 inches apart in the row. About 8 pounds is required per acre. As beets germinate slowly, the seed should be planted in moist soil.

**MAMMOTH LONG RED**—The roots of this variety grow to a very large size.

**GOLDEN TANKARD**—Contains more sugar and less water than any other Mangel.

**GIANT HALF SUGAR**—A very heavy yielder. White solid, tender flesh and very sweet.

**SUGAR BEET (White Klein Wanzleben)**—Not the largest in size but the richest in saccharine. It will fatten hogs as quickly as grain.

**ALL STOCK BEET PRICES**—Pkt. 5c. oz. 25c.  $\frac{1}{4}$  lb. 70c. lb. \$2.50, postpaid.

## BROCCOLI

**GREEN SPROUTING ITALIAN (Calabrese)**—The edible portion differs from other Broccolis in use in that the flower heads are borne on long stems and are cooked and eaten along with the flower and are of a very mild flavor, having none of the distinct cabbage flavor. Plant and care for as cabbage or cauliflower. Pkt. 10c. oz. 60c.  $\frac{1}{4}$  lb. \$2.00. 1 lb. \$6.00.

## CABBAGE

**CULTURE**: In the warm sections of Arizona, seed should be planted during July and August, in shaded beds, for Fall crop. Also during the Fall and Winter months for Spring harvest. Six ounces will produce plants for 1 acre when transplanted. If drilled in rows and thinned out, 3 to 5 pounds per acre is required.

**GOLDEN ACRE CABBAGE**—Grown from selected Danish import stock seed by one of the very best Danish growers. One of the earliest varieties of Cabbage. It is dwarf in habit, resembles the Copenhagen Market Cabbage, but smaller heads, averaging 2½ to 3 pounds in wt. Pkt. 10c. oz. 60c.  $\frac{1}{4}$  lb. \$2.00. 1 lb. \$6.00.

**COPENHAGEN MARKET**—This variety also is grown from select Danish import stock seed by one of the most reliable growers. Pkt. 10c. oz. 60c.  $\frac{1}{4}$  lb. \$2.00, 1 lb. \$6.00.

**RED DUTCH**—Heads of deep color and very solid. Excellent for cold slaw and for pickling. Pkt. 10c. oz. 60c.  $\frac{1}{4}$  lb. \$2.00. 1 lb. \$6.00.

## CHINESE CABBAGE

**CHILI**—Early dependable heading variety. Heads 18-20 inches tall, very firm, well blanched, crisp, sweet and tender. Matures in 70 days. Serve as a salad or cook like asparagus. Pkt. 10c. oz. 30c.  $\frac{1}{4}$  lb. \$1.00. 1 lb. \$3.00.

**WONG BOK**—Dwarfers; heads 8 to 10 inches tall, broad and firm. Well blanched and of excellent quality. 75 days. Pkt. 10c. oz. 30c.  $\frac{1}{4}$  lb. \$1.00. 1 lb. \$3.00.

## CARROTS

### Plant Liefgreen's Quality Seeds

Carrots grow in most any soil, although a sandy loam, plentifully enriched with well-rotted manure suits them best. Sow 1 oz. of seed to 100 feet of row, 4 lbs. to the acre. Plant from August to May in rows 15 to 18 inches apart. Keep clean by frequent hoeing and weeding.

Due to extreme crop shortage we are not listing prices on Carrot Seed in quantities over 1 lb. Please write for prices in larger quantities.

**DANVER'S HALF LONG**—A favorite with market growers and shippers. The tops are medium size. The mature roots are of medium length, 6 to 8 inches long, tapering uniformly to a blunt point. The flesh is of deep orange, tender and of good quality. Pkt. 10c. oz. 50c.  $\frac{1}{4}$  lb. \$1.50.

**IMPROVED CHANTENAY**—A first-class table variety, stump rooted, broad shouldered, about 5 or 6 in. long. Pkt. 10c. oz. 50c.  $\frac{1}{4}$  lb. \$1.50.

**OX HEART**—Especially desirable for soil so hard and stiff that longer-rooted varieties will not thrive in it. The mature roots are 4½ inches long. Pkt. 10c. oz. 50c.  $\frac{1}{4}$  lb. \$1.50.

**IMPERATOR**—One of the best selling varieties. In appearance it is sleek, 7 to 8 inches in length, with round shoulders, allowing it to bunch well. Its color is deep orange and its core very indistinct. Pkt. 10c. oz. 50c.  $\frac{1}{4}$  lb. \$1.50.

The Above Are Postpaid.



Cauliflower, Snowdrift No. 16

## LIEFGREEN'S SELECT EARLY

## CAULIFLOWER

**CULTURE**—Prepare the seed bed carefully, using only rich and thoroughly pulverized soil. Keep the plants in a healthy and a rapid growing condition. Broadcast the seed in the seed bed. To mature crop for the December market in Southern Arizona, plant seed in July in shaded beds. For a continuous crop throughout the winter season plant seed in July, August, September and October. For Northern Arizona, plant in the spring. When plants are 40 to 45 days in beds they are ready for the field. Transplant to 24 inches apart in rows 30 to 36 inches apart. Five ounces of seed will produce plants for one acre.

## SNOWDRIFT

### No. 16

**SNOWDRIFT NO. 16**—The earliest and surest heading variety for the Salt River Valley and all of Arizona where an early crop is desired. Our strain of Snowdrift No. 16 is grown in the United States by one of the most particular growers who formerly grew this strain of seed for us in Denmark before the late war curtailed imports. We consider Snowdrift the earliest strain of this type. The leaves grow tall and upright and the inner leaves twirl and cover the head completely. It heads high in the plant, is very smooth and firm and dazzling white. Pkt. 25c.  $\frac{1}{4}$  oz. \$1.65, oz. \$5.00,  $\frac{1}{4}$  lb. \$17.00, 1 lb. \$50.00, postpaid.

## CELERIAC

### (OR TURNIP-ROOTED CELERY)

**CULTURE**—Nearly the same as celery. A form of celery grown for its fleshy roots.

**GIANT PRAHA**—Produces large smooth roots with few side roots. Pkt. 10c. oz. 75c.  $\frac{1}{4}$  lb. \$2.50, postpaid.

# Liefgreen's Sweet Corn is Delicious Garden Fresh



Celery, Golden Self Blanching

## CELERY

Plant in seed beds in May and when seedlings have 3 or 4 leaves, thin to 3 inches apart. Transplant to open field in August. Bleaching is done by drawing the soil to the plants.

**GOLDEN SELF BLANCHING**—Tall, compact, excellent type. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50.

**GIANT PASCAL**—Medium broad compact stalks. Fine flavor. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50.

## CELTURE

New vegetable recently introduced from China. Combines flavors of both lettuce and celery. Culture as for Swiss Chard. Young tender plants may be used for greens either raw or boiled. When larger, the central stem is used—stripping off the leaves and paring off the skin. It is delicious used raw as a relish like carrots or celery. Pkt. 15c.

## SWISS CHARD

### FOLIAGE BEET

**CULTURE**—Same as beets.

**FORDHOOK GIANT**—A very fine vegetable giving large returns for the little care required. Leaves are rich green turning to white in advanced stages. Used for greens the same as spinach or beet tops. The ribs are excellent cooked and served as you would asparagus. Pkt. 5c, oz. 25c, 1/4 lb. 75c, lb. \$2.50.

**LARGE WHITE BIRBED**—60 days. Large smooth leaves of thick texture grown mostly for the broad, white tender mid-ribs. The green, succulent leaves may be used like spinach and have a nice flavor. Pkt. 5c, oz. 25c, 1/4 lb. 75c, lb. \$2.50.

## CHIVES

The famous Schnittlauch—highly prized for flavor. The seed of this is not easily germinated and it will be necessary, therefore, to plant a fairly good quantity of the seed if many plants are desired. Pkt. 20c, 1/4 oz. \$1.50.

## COLLARDS

**CULTURE**—Similar to cabbage, but does not produce a head.

**TRUE GEORGIA**—A strong growing variety with light green leaves. Pkt. 5c, oz. 20c, 1/4 lb. 40c, 1 lb. \$1.00.

## SWEET CORN

**CULTURE**—Plant sweet corn in the spring after all danger of frost, when the soil is warm enough to assure germination. Plant 4 to 5 kernels in hills 18 inches apart in 3-foot rows. Cultivate after each irrigation until stalks shade the ground. Do not allow the soil to become too dry at any time. One pound of seed will plant 200 to 300 feet of row or from 8 to 10 pounds per acre, depending on the size of the seed. June corn and Hickory King may be planted in June, July and August, while sweet corn should be planted in early spring and again in August and September. Our corn seed is from the very best selected stock. Write us for quantity prices.

**GOLDEN CROSS BANTAM**—Edible in 88 days. This hybrid is undoubtedly one of the best and most prolific of the yellow sweet corns. The ears are 8 to 10 inches long with 14 to 16 rows of kernels, slightly lighter in color and yielding about 40 per cent more marketable ears than Golden Bantam. Grows 5 to 6 feet high with sturdy stalks and deep green foliage. Pkt. 10c, 1/4 lb. 20c, 1/2 lb. 35c, 1b. 60c, 10 lbs. \$5.50, postpaid. Write for quantity prices.

**SELECT ADAMS EARLY**—Ready for table use from spring planting in 50 to 60 days, depending on the weather. In the fall it should produce roasting ears in 50 days. It is not a sugar corn but decidedly more hardy. Large pkt. 5c, 1/2 lb. 20c, 1b. 35c, 10 lbs. \$3.00, postpaid.

**TRUCKER'S FAVORITE**—Best roasting ear—not a true sugar corn. Stalks about 8 feet tall, ears one of medium length and thickness, average 7 to 8 inches with 12 or 14 rows. Kernels are white. Pkt. 5c, 1b. 35c, 10 lbs. \$3.00, postpaid.

**HONEY JUNE CORN**—A cross of our hardy Mexican June and a sweet corn. Same growth characteristics as Mexican June, with a decided sweet corn flavor, tender and juicy. Pkt. 5c, 1/4 lb. 15c, 1/2 lb. 25c, 1 lb. 45c, 10 lbs. \$4.00, postpaid.

**GOLDEN BANTAM**—This golden colored corn is the leading variety for early home garden planting, ears though small are numerous and of finest quality, very sweet and tender. Pkt. 5c, 1/4 lb. 15c, 1/2 lb. 25c, 1 lb. 45c, 10 lbs. \$4.00, postpaid.

**OREGON EVERGREEN**—A very large early variety of sugar corn of excellent flavor and large size. It can be grown early in the spring or late in the fall and is in much demand by the market gardener. This corn is extra sweet and due to the tight folding of its shucks is as near corn worm proof as any. Large pkt. 5c, 1/4 lb. 15c, 1/2 lb. 25c, 1 lb. 45c, 10 lbs. \$4.00, postpaid.



Corn, Golden Cross Bantam

## POP CORN

**WHITE RICE**—A popular and productive variety. The kernels are fine, white, and the ears are from 4 to 5 inches long. Large pkt. 5c, 1/2 lb. 25c, 1 lb. 40c, 10 lbs. \$3.00, postpaid.

## FIELD CORN

### FOR ROASTING EARS AND ENsilAGE

**SACATON JUNE**—A white corn, tall stalks.

**HICKORY KING**—White, large kernels, used for hominy.

**REID'S YELLOW DENT**—A yellow field corn used in the higher altitudes.

The above field corn: Lb. 25c, 10 lbs. \$2.00, postpaid. Write for quantity prices.

## CRESS

**FINE CURLLED OR PEPPER GRASS**—Sow 1 oz. to 50 feet of row. Requires a rich well prepared soil. Plant 1/2 in. deep in rows 12 to 16 inches apart. When plants are well started thin to 4 to 6 in. apart. Pkt. 10c, oz. 45c, 1/4 lb. \$1.50.

**TRUE WATER CRESS**—Thrives best when roots are submerged in water. However, fair success can be had in soil that is kept wet. Pkt. 10c, oz. \$1.50.

## CUCUMBER

**CULTURE**—Plant cucumbers in the spring as soon as all danger of frost is over. If you are located in the light frost areas planting may be made two to four weeks earlier and receive the full benefits of the early market prices. In the Salt River Valley and similar sections plantings are also made in the fall, usually August and September. Plant 6 to 10 seeds 1 inch apart each way. One ounce will plant 50 hills, 3 pounds to the acre. After all danger of pests are removed and you are sure of your plants, thin out, leaving three of the strongest plants. Give abundance of water and frequent cultivation for the best results. Cucumbers enjoy a light, sandy, rich soil.

Prices on cucumber seed, unless otherwise noted are as follows, postpaid: Pkt. 10c, oz. 25c, 1/4 oz. 85c, lb. \$2.50.

**A & C**—Slightly tapered but fairly straight and symmetrical. Deep green color is held longer after picking than other varieties. Pkt. 10c, oz. 35c, 1/4 lb. \$1.15, lb. \$3.00.

**CLARK'S SPECIAL**—An outstanding variety for shipping, and for market gardeners. Holds its color and firmness when held long distances. Fruits weigh 2 1/2 lbs., handsome, very dark green color.

**COLORADO**—Fruits 9 to 12 inches long. This cucumber is rapidly gaining in popularity and we recommend it highly to the shipper, market and home gardener. One of its outstanding qualities is that it does not taper, but is practically the same size from end to end. The color is dark green, making it especially attractive for display. The flesh is crisp and tender. An exceptionally heavy yielder. Pkt. 10c, oz. 35c, 1/4 lb. \$1.15, lb. \$3.00.

**KLONDIKE**—Another good white spined variety, medium length, dark color, fine quality.

**PERFECTED DAVIS PERFECT**—A splendid cucumber. Dark, glossy green, slim and symmetrical, with an average length of 10 to 12 inches. Quality fine. Very early.

**SELECT EARLY FORTUNE**—Very productive, early and disease resistant; fruits about 8 inches long, slightly tapering; flesh is white; very firm and crisp with few seeds. It is of a rich green color and keeps well. Ready for market in about 60 days.

**SPECIAL LONG GREEN**—Grows from 12 to 14 inches long and is of superior quality. Of fine dark green color and slender. Flesh very firm.

# Ask for Larger Quantity Prices



Cucumber, A. & C.

**WOODRUFF'S HYBRID**—Long, cylindrical with rounded ends, almost round in cross section. Small seed cavity. Medium dark green with thin light green stripes at bottom end. Tender, crisp. Superior quality.

**BOSTON PICKLING**—Very prolific; largely planted for pickles. The fruits are short, smooth, bright green and of excellent quality.

**JAPANESE CLIMBING**—A very rampant grower, fruits long deep russet, and of excellent quality, weight 2 lbs., 8 to 9 in. long and 2½ inches in diameter.

**LEMON**—A new variety, the color of a lemon when ready for use and similar in shape.



Eggplant, Black Beauty

## EGG PLANT

**CULTURE**—Egg Plant grows exceedingly well in Arizona, as it thrives in warm, dry weather. Sow in hot beds or boxes and transplant when danger of frost is over. Plant 2 feet apart in 4-foot rows. To secure a rapid and continuous growth, water and cultivate frequently. One ounce of seed will produce about 1,000 plants.

**BLACK BEAUTY**—The fruits are rich, dark purple, large and symmetrical, maturing a little earlier than our Improved New York Purple but usually not quite as large. Pkt. 10c, oz. 65c, ¼ lb. \$2.15, lb. \$6.50, postpaid.

**IMPROVED NEW YORK PURPLE**—Large, oval-shaped, deep purple fruits. Pkt. 10c, oz. 65c, ¼ lb. \$2.15, lb. \$6.50, postpaid.

## GARLIC

**CULTURE**—Plant in the Salt River Valley and similar climates during October and November. In higher altitudes during the spring season. One pound will plant about 50 feet of row.

**GARLIC SETS**—40c per pound, postpaid.

## HERB SEEDS for Planting

Anise, Sweet Basil, Borage, Caraway, Catnip, Chervil, Coriander, Dill, Lavender, Sweet Marjoram, Rosemary, Sorrel, Summer Savory, Saffron, Fennel.

All Herbs, 10 per packet, postpaid.



Kale, Curled Scotch

## ENDIVE

**CULTURE**—Sow seed at any time with the exception of the hot summer months. Sow thinly in rows 18 inches apart and cover lightly. When about 4 inches tall they should be thinned out to stand a foot apart in the row. This plant grows to perfection and makes a very delicious salad for winter use. After plants are well grown gather up leaves and tie at tips into a loose bunch to bleach the inner leaves.

**GREEN CURLED RUFFEC**—A hardy vigorous variety with deep green leaves. This variety is generally preferred as it bleaches to a beautiful golden yellow. Pkt. 5c, oz. 20c, ¼ lb. 65c, 1 lb. \$2.00, postpaid.

## KALE or BORECOLE

**CULTURE**—Sow in drills during the fall and spring months. Transplant to 12 inches apart in 3-foot rows. ½ ounce required for 100 feet of drill.

**GREEN CURLED SCOTCH**—Grows to a height of 2 feet or more; leaves are bright green and curled. Pkt. 10c, oz. 30c, ¼ lb. \$1.00, 1 lb. \$3.00, postpaid.

## KOHL RABI

**CULTURE**—Kohl Rabi is a cold weather plant and should be seeded from early fall to early spring, eliminating the hot summer months. In colder sections plant in early spring. Plant like turnips and thin to 6 inches apart. ½ ounce of seed will produce about 1,000 plants.

**EARLY WHITE VIENNA**—Earliest sort, very tender, excellent for table use. Pkt. 10c, oz. 75c, ¼ lb. \$2.50, 1 lb. \$7.50, postpaid.

**EARLY PURPLE VIENNA**—Similar to above, but has flesh of purple color. Pkt. 10c, oz. 75c, ¼ lb. \$2.50, 1 lb. \$7.50.



Lettuce, Arizona Wonderful

## LEEK

**CULTURE**—Plant in seed bed or in drills in the field; when large enough transplant or thin out about 6 inches apart in 18-inch rows. One ounce of seed is required to 150 feet of row.

**LARGE LONDON**—Broad leaves of strong and vigorous growth; very hardy. Pkt. 10c, oz. \$1.25, postpaid.

## LETTUCE

**CULTURE**—Lettuce is best suited to rich, light, loamy soil and should never be planted in worn-out soils. At planting time the soil should be in the best of condition. Sow seed on ridges in rows 18 inches apart and when plants are large enough thin to 10 to 15 inches apart. Run the water in furrows between the ridges and never allow the water to touch the plants.

When lettuce is planted early in hot ground plant 2 pounds of seed to the acre. During the winter season, when the soil is cool, 1½ pounds per acre is plenty.

## Head Lettuce

Ask for prices in larger quantities for commercial planting.

**NEW YORK SPECIAL**—Hardy, uniform heads, light green outer leaves with the center bleached pure white. Pkt. 5c, oz. 25c, ¼ lb. 85c, lb. \$2.50.

**ARIZONA WONDERFUL**—A splendid variety for market or home use. Large, crisp, tight heads and a great favorite wherever grown. Pkt. 5c, oz. 25c, ¼ lb. 85c, lb. \$2.50.

**IMPERIAL "152"**—Medium sized, solid heads. Quite hardy, very sure heading, also resistant to brown blight. Pkt. 5c, oz. 25c, ¼ lb. 85c, lb. \$2.50.

**IMPERIAL "615"**—One of the largest heading varieties. Resistant to brown blight; does not make suckers. Desirable for early spring cutting. Pkt. 5c, oz. 25c, ¼ lb. 85c, lb. \$2.50.

**ICEBERG**—A splendid head lettuce for spring planting. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

## Leaf Lettuce

**PARIS COS or ROMAINE**—Leaves yellowish white, very crisp and tender; a self-blanching lettuce of superior flavor. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

**DENVER MARKET**—For the family garden plant this variety broadcast on ridges, allowing it to grow thick. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

ALL THE ABOVE POSTPAID

# Plant Liefgreen's Melons for Best Results

## LIEFGREEN'S WATERMELONS

**CULTURE**—Use our northern grown seed for a successful melon crop. Our melon seed is selected from the very best types and will grow harder larger plants and melons than the average seed. Plant seed in furrow, dropping six seeds every 8 or 10 feet apart. Cover about 2 inches deep. As the vines grow, hill the earth about them until the roots are 10 to 12 inches deep. When safely established, thin vines to about two to the hill. Be sure to cultivate after each irrigation as soon as the condition of the soil will permit. Use 2 to 3 pounds of seed to the acre.

**LIEFGREEN'S BLACK SEDED KLONDIKE No. 3**—One of the best melons grown for shipping and home use. The rind is very thin and of a medium green color. The flesh is bright red, tender and deliciously sweet. Our seed is of the genuine strain, as our selections are made from perfect specimen melons. Pkt. 10c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, 5 lbs. \$6.50, 10 lbs. \$12.50, postpaid.

**KLONDIKE BROWN SEDED**—The outstanding variety for shipping and home garden use in Arizona. Popular because of its delicious flavor and attractive interior color. Flesh bright red and very sweet. Fruits oblong and of uniform green color. Pkt. 10c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, 5 lbs. \$6.50, 10 lbs. \$12.50, postpaid.

**KLONDIKE, WILT RESISTANT R-7**—Is resistant to fusarium wilt and has all the other qualities of the regular Klondike listed above. Pkt. 10c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, 5 lbs. \$6.50, 10 lbs. \$12.50, postpaid.

**NEW STRIPED KLONDIKE No. 11**—This new strain carries as high sugar content as any commercial watermelon. The rind is thin but strong and the flesh is solid and a bright red. A most attractive melon in both outside appearance and when cut. Edible qualities are excellent and delicious. Seeds are black splotched and striped with brown at the edges. Pkt. 10c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, 5 lbs. \$6.50, 10 lbs. \$12.50, postpaid.

**ANGELENO WHITE SEDED**—A fine quality early melon nearly round, dark green; flesh bright red and fine quality. Pkt. 5c, oz. 20c, 1/4 lb. 45c, 1 lb. \$1.25, postpaid.

**ANGELENO BLACK SEDED**—Much like white seeded Angeleno except in color of seed. Pkt. 5c, oz. 20c, 1/4 lb. 45c, 1 lb. \$1.25, postpaid.

**IMPROVED BLACK SEDED CHILIAN**—This melon possesses a rich, fruity flavor. Very sweet and has a thin rind. Pkt. 5c, oz. 20c, 1/4 lb. 45c, 1 lb. \$1.25, postpaid.

**IMPROVED WHITE SEDED CHILIAN**—A very good melon. It is extra solid, crisp and sugary—a great favorite with the growers. Pkt. 5c, oz. 20c, 1/4 lb. 45c, 1 lb. \$1.25, postpaid.

**IRISH GRAY or GENERAL PERSHING**—Color is a yellowish gray. Flesh is a brilliant sparkling red, very sweet and firm. Pkt. 5c, oz. 20c, 1/4 lb. 45c, 1 lb. \$1.25, postpaid.

**KLECKLEY SWEET**—A medium size melon, rind very green and flesh deep red. Delicious flavor. An excellent melon for either home garden or shipping. Pkt. 5c, oz. 20c, 1/4 lb. 45c, 1 lb. \$1.25, postpaid.

**STONE MOUNTAIN**—A very large oval round shaped melon. Rind dark green and tough. Flesh is deep scarlet and very sweet. A very desirable shipping and home garden melon. Pkt. 5c, oz. 20c, 1/4 lb. 45c, 1 lb. \$1.25, postpaid.

**CITRON or PRESERVING MELON**—For preserves. Fruit round and smooth. Is not eaten raw but is used for making clear transparent preserves of peculiarly fine flavor. Flesh white and solid. Pkt. 5c, oz. 20c, 1/4 lb. 45c, 1 lb. \$1.25.



Cantaloupe, Hale's Best No. 45

## CANTALOUPES

**CULTURE**—Thoroughly soak the soil. When dry enough, plow 10 or 12 inches deep. After pulverizing the soil makes furrows 8 or 10 inches deep. Plant the seed in furrows 6 feet apart each way, using 8 or 10 seeds to a hill, which will require 2 rows to the acre. When paper covers are used, planting in the San River Valley generally starts in February and March. If covers are not used, plant after danger of frost is over. As the plants grow, gather the soil around them until the roots are 10 or 12 inches below the surface. Thin out surplus plants as soon as they are hardy and well established. Please remember that the roots are as long as the vine, therefore when working close to the vines let the cultivation be shallow. Always cultivate the irrigating furrow when dry enough so as to conserve the moisture.

**HALE'S BEST No. 45**—Excellent flavor and a good keeper as well as mildew resistant. An early variety developed particularly for the shipping trade. The No. 45 is a true Hale's Best. Oval shape, medium size, with heavy net and a faint stripe. Flesh is deep salmon, thick and firm with small seed cavity. Recommended to plant where mildew is prevalent. Pkt. 5c, oz. 20c, 1/4 lb. 60c, 1 lb. \$1.50, postpaid. Ask for quantity prices.



Watermelon, Selected Klondike Black Seeded

**EARLY HALE'S BEST No. 36**—An extra early salmon tint of remarkable flavor. Melons are oblong, well netted and attractive. Small seed cavity. Ten days to two weeks earlier than other varieties and yields big. One of the best main crop melons. Pkt. 5c, oz. 20c, 1/4 lb. 60c, 1 lb. \$1.50, postpaid.

**EXTRA-EARLY HACKENSACK (Green Flesh)**—Rounded fruits of medium size, irregularly ribbed and heavily netted. Thick flesh of a delicious sweet flavor. Pkt. 5c, oz. 20c, 1/4 lb. 60c, 1 lb. \$1.50, postpaid.

**IMPROVED ROCKY FORD PERFECTO**—An excellent shipping variety. Melons are heavily netted without ribbing. Flesh orange, thick and has a delicious flavor. Small seed cavity. An excellent melon. Pkt. 5c, oz. 20c, 1/4 lb. 60c, 1 lb. \$1.50, postpaid.

**TIP TOP**—A prime favorite for the home garden or nearby markets. Medium size, deeply ribbed and slightly netted. Flesh is salmon, rich and sweet. Pkt. 5c, oz. 20c, 1/4 lb. 60c, 1 lb. \$1.50, postpaid.

## Honey Dew and Casaba

**BABY PERSIAN**—A small type Persian melon. Is uniform in size. Fruit is about 6 inches in diameter and can be packed in crates for shipping. A very desirable home gardening type. Pkt. 10c, oz. 25c, 1/4 lb. 75c, 1 lb. \$2.50.

**DANISH CASABA**—One of the finest varieties for home gardens. Medium large, thin smooth skin. Thick salmon orange flesh of exceptionally fine flavor. Pkt. 10c, oz. 35c, 1/4 lb. \$1.00, lb. \$3.00.

**GOLDEN BEAUTY**—The most popular and the best flavored Casaba melon grown. Grows from 6 to 8 inches in diameter, is nearly round, slightly pointed at the stem end. The wrinkled skin is a beautiful golden yellow and the rind is very hard. The flesh is pure white and very thick. Pkt. 10c, oz. 25c, 1/4 lb. 75c, 1 lb. \$2.50, lb. \$3.00.

**HONEY BALL**—This melon has become very popular. In appearance it is similar to the Honey Dew, but is smaller and runs more uniform. Has a wonderful flavor and preferred sometimes to the Honey Dew. Pkt. 10c, oz. 25c, 1/4 lb. 75c, 1 lb. \$2.00, postpaid.

**HONEY DEW**—Excellent flavor, good keeping qualities and very prolific. Flesh is light green and sweet as honey. Ready to pull when green lustre has changed to a creamy yellow and ready to eat when an impression can be made with the thumb. Pkt. 10c, oz. 25c, 1/4 lb. 75c, 1 lb. \$2.00, postpaid.

PRICES LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE

# Plant Liefgreen's Superior Onion Seeds and Sets

## MUSTARD

**CULTURE**—Very easy to grow. Sow in the fall and during the winter and spring months. Drill in rows and cover lightly. Mustard is not particular as to soil, but a medium heavy soil is best.

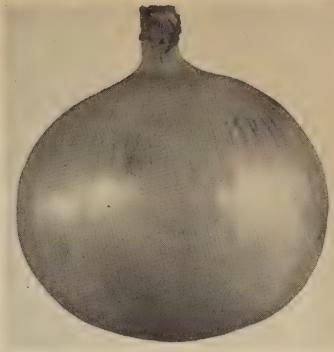
**SOUTHERN CURLED**—The true curled leaf variety. Looks like spinach and has a very agreeable flavor. Pkt. 5c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, postpaid.

**OSTRICH PLUME**—Is delicious as well as ornamental; the leaves resemble ostrich plumes, hence the name. Pkt. 5c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, postpaid.

**CHINESE WHITE**—This is a delicious vegetable, being less pungent than the American varieties. Like spinach, it thrives during the winter season. Pkt. 10c, oz. 40c, 1/4 lb. \$1.35, 1 lb. \$4.00, postpaid.



Onion, White Sweet Spanish



Onion, Utah Sweet Spanish

## OKRA or GUMBO

**CULTURE**—Okra thrives well in Arizona and is very popular vegetable. Requires a generous supply of water and responds readily to fertilization and cultivation. Plant after all danger of frost is over in drills and thin to 12 inches apart. Sow one ounce to 50 feet of row. To produce really early okra plant heavily, at least 10 or 12 pounds to the acre.

**EARLY DWARF GREEN**—Short pod. Dwarf stocky growth, heavy bearer. The pods are medium short, greenish color, tender and of good flavor. The most popular variety. Pkt. 5c, oz. 15c, 1/4 lb. 30c, 1 lb. 75c, postpaid.

**LONG GREEN**—A very productive variety. Long ribbed pods. Pkt. 5c, oz. 15c, 1/4 lb. 30c, 1 lb. 75c, postpaid.

## LIEFGREEN'S ONIONS

**CULTURE**—A rich, well drained soil will produce fine onions. If soil is not well drained it will produce thick necked scallops. A well fertilized sandy loam is the best. In the lower altitudes in Arizona, planting starts in September and continues throughout the fall and early winter months. Time of planting depends on the variety. Drill onion seed in 14-inch rows and irrigate in the furrows between the ridges to avoid flooding the onion which causes rot, rendering it unfit to ship or keep. Three pounds of seed is required to plant 100 dry onions, or 1 ounce to 100 feet. For green onions or bunching onions plant 10 pounds per acre. Our onion seed is of the highest type as to germination and purity. Consult with us as to what and how to plant and allow us to quote you quantity prices.

Due to extreme crop shortage, we are not listing prices on Onion Seed in quantities over 1/4 lb. Please write for prices in larger quantities.

**WHITE SWEET SPANISH**—Like the original Sweet Spanish, it is a good keeper. We are very proud of our strain as it has given wonderful results. Pkt. 10c, oz. \$1.00, 2 ozs. \$1.75, 1/4 lb. \$3.00, postpaid.

**UTAH SWEET SPANISH**—Large well shaped brown onions weighing 1 to 3 pounds. Globular, with golden yellow skins, white flesh very mild, with a pleasing flavor. Pkt. 10c, oz. 75c, 2 ozs. \$1.40, 1/4 lb. \$2.50, postpaid.

**GREAT GREEN BUNCHING ONIONS**—Produces the long tender, sweet green onions which are

so popular on the table of those who enjoy good eating. Pkt. 10c, oz. \$1.00, 2 ozs. \$1.75, 1/4 lb. \$3.00, postpaid.

**CRYSTAL WHITE WAX**—A large white Bermuda type onion that has become very popular. It is very early, very mild in flavor and an excellent shipper and keeper. Pkt. 10c, oz. \$1.00, 2 ozs. \$1.75, 1/4 lb. \$3.00, postpaid.

**SILVER SKIN**—One of the leading white onions. Average diameter is 4 to 6 inches. The thick skin is a clear silvery white, flesh snow white. Pkt. 10c, oz. \$1.00, 2 ozs. \$1.75, 1/4 lb. \$3.00, postpaid.

**YELLOW GLOBE DANVERS**—A well known early onion of fine quality. Pkt. 10c, oz. \$1.00, 2 ozs. \$1.75, 1/4 lb. \$3.00, postpaid.

**YELLOW BERMUDA**—Outer skin is of a pale strawish color. A large flat onion with a very mild flavor. Very early. Pkt. 10c, oz. \$1.00, 2 ozs. \$1.75, 1/4 lb. \$3.00, postpaid.

## ONION SETS

One pound of sets will plant about 50 feet of row. White and Yellow. Lb. 50c, 10 lbs. \$4.00, postpaid. Write for quantity prices.

## PARSLEY

**CULTURE**—Sow in the fall for early spring As the seed is slow to germinate, a light mulch over the seed bed will retain the moisture and hasten germination. Cover lightly. One ounce of seed will produce about 500 plants.

**MOSS CURLED**—Excellent for garnishment and flavoring and very decorative. Leaves are very fine and crisp. Pkt. 10c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, postpaid.

## Market Gardeners and Shippers!

## NOTE!

We are headquarters for Market Garden Supplies. Seeds, Sprayers, Insecticides, etc. Please write for special quotations for quantities. Write us in regard to your insect problems.



Bunching Onion Great Green

# Get a Good Start With LIEFGREEN'S Seeds



Peas, Laxton's Progress

## PEAS

**CULTURE**—Plant peas from September to April 1. Peas are hardy and stand a great deal of cold. During cold weather plant seed 1 to 2 inches deep; in the warmer months plant 3 to 4 inches deep. Sixty pounds to the acre is the amount usually used.

Prices on pea seed as follows: Pkt. 5c, 1/4 lb. 15c, 1/2 lb. 25c, 1 lb. 45c, 10 lbs. \$4.00, postpaid.

**LAXTON'S PROGRESS (Early)**—Regarded by some large users as the best of the large podded early peas. Pods large, of fine color, and are well filled with large peas of finest quality.

**HUNDREDFOLD**—An early variety and a great favorite. Plant in September for a fall crop.

**DWARF TELEPHONE**—Planted after the Progress, usually in November for a spring crop.

**GIANT STRIDE (Improved Stratagem)**—A very popular late bush variety.



Radish, White-Tipped Scarlet Turnip

## LIEFGREEN'S PEPPERS

**CULTURE**—Sow seed in hot beds in November, December and January. Transplant to the field when all danger of frost is over unless paper plant protectors are used. Peppers delight in highly fertilized soil and should be kept well watered. Plant 18 inches apart in 30-inch rows. One ounce of seed will produce 1,000 plants or 1/4 pound seed to the acre.

**CHINESE GIANT**—The ideal stuffing pepper, of exceptional merit. It is very mild in flavor, grows to a large size and is highly productive. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50, 1 lb. \$7.50, postpaid.

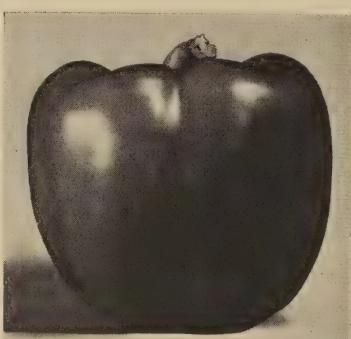
**ANAHEIM CHILI**—Pods about 7 or 8 inches in length. Because of its agreeable pungency it is one of the most popular peppers on the market. Pods keep for months when dried, which makes it a good, marketable crop. Pkt. 10c, oz. 65c, 1/4 lb. \$2.25, 1 lb. \$6.50, postpaid.

**CALIFORNIA WONDER**—It is the best large-fruited pepper in existence, very smooth, heavy, free from creases and wrinkles. Meat thick, tender and of finest flavor. Pkt. 10c, oz. 75c, 1/4 lb. \$2.50, 1 lb. \$7.50, postpaid.

**FLORAL GEM**—The favorite variety when a small hot pepper is desired for pickling or highly flavored sauces. Pkt. 10c, oz. 80c, 1/4 lb. \$2.65, 1 lb. \$8.00, postpaid.

**PIMIENTO**—Every garden should have a row of this pimiento. For salad, parboil it to remove the skin. Stuffed and baked, it is superior to any other pepper. Pkt. 10c, oz. 40c, 1/4 lb. \$1.35, 1 lb. \$4.00, postpaid.

**MEXICAN CHILI**—Popular on account of its extreme pungency. Medium sized and pear shaped. Turns bluish black when dried. Pkt. 10c, oz. 55c, 1/4 lb. \$1.85, 1 lb. \$5.50, postpaid.



Pepper, California Wonder

## PLANT LIEFGREEN'S VEGETABLE SEEDS

and enjoy the fresh, crisp, vitamin and mineral rich vegetables that come from the home garden.

## PUMPKINS

**CULTURE**—Plant in hills 8 to 10 feet apart each way in March and July and August. Drop five or six seeds to the hill and thin out to one healthy plant. Pumpkins, like other vine crops, should be irrigated carefully, not allowing the water too near the main stalk. About 3 pounds are required to the acre. Plant plenty of pumpkins as they make excellent cow and hog feed.

**SMALL SUGAR**—A very popular small variety. The skin is a deep orange, yellow and the flesh sweet and fine-grained. Sells better than any other pumpkin on the local market. Excellent for pies. Pkt. 5c, oz. 15c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.

**LARGE CHEESE**—Large size; reddish orange; flesh thick, fine and sweet. A good keeper. Pkt. 5c, oz. 15c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.

**JAPANESE PIE**—Nearly solid flesh; the seed cavity being very small, fine-grained, dry and sweet. Taste somewhat like sweet potatoes. They ripen early and are good keepers. Pkt. 5c, oz. 15c, 1/4 lb. 45c, 1 lb. \$1.25, postpaid.

**CONNECTICUT FIELD**—A fine variety for dairy ranches, adding much to the quality and quantity of milk and butter. Excellent keeper. Pkt. 5c, oz. 15c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.

**IMPROVED YELLOW CASHAW**—A crookneck pumpkin. Solid, fine and sweet. Keeps well. Pkt. 5c, oz. 15c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.

**WINTER LUXURY**—Like the Small Sugar in shape but somewhat larger. Round fruits flattened at the ends. Average weight 7-9 lbs. Skin thin, netted, orange yellow; flesh thick, firm, exceptionally sweet and fine flavor for pies. Pkt. 5c, oz. 15c, 1/4 lb. 40c, 1 lb. \$1.25.

## RADISHES

**CULTURE**—Radishes may be planted almost any month of the year in southern Arizona with the exception of the hottest months. Plant 1 ounce of seed to 100 feet of drill, 10 pounds to the acre.

Price of all radishes listed: Pkt. 5c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, all postpaid.

**LONG WHITE ICICLE**—The most popular long white radish.

**EARLY LONG SCARLET**—Long bright scarlet. Very brittle and sweet. Matures early.

**WHITE TIPPED SCARLET TURNIP**—A table variety, crisp, tender and sweet.

**EARLY SCARLET TURNIP**—A handsome scarlet, crisp and juicy.

**CRIMSON GIANT**—Twice as large as any other turnip-shaped variety. Does not get hollow or pithy.

**FRENCH BREAKFAST**—An early variety with good flavor and attractive appearance.

**ROUND BLACK SPANISH**—Black skin, white flesh and of firm texture.

**EARLY SCARLET GLOBE**—Oval in shape and is a rich scarlet color.

**MIXED RADISH**—A mixture of all the best varieties.

## RUTABAGA OR SWEDISH TURNIP

**IMPROVED YELLOW PURPLE TOP**—The popular standard variety, both for stock feeding and for table use. Pkt. 5c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, postpaid.



Radish, Early Scarlet Turnip

# Superior Seeds for Home Gardening



Pumpkin, Small Sugar

## SPINACH

**CULTURE**—Sow in drills 12 to 18 inches apart and for a succession, plant every two weeks. Cultivate often and keep free from weeds. Sow from September 1 to April, using 1 ounce of seed to 75 feet of row and from 25 to 35 pounds to the acre.

**PRICKLY WINTER, HOLLANDIA (Broad Leaf)**—A splendid fall and winter variety, quick growing with large green leaves. The leading variety. Ask for quantity prices. Pkt. 5c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, 5 lbs. \$6.25, postpaid.

**NOBEL (GIANT THICK LEAVED)**—A recent introduction and the best of the round seeded thick leaved varieties. Heavy yielding, leaves very large, thick, broad, smooth and deep green in color. We recommend "Nobel" for either home, market garden or canning use. Pkt. 5c, 1 oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, 5 lbs. \$6.25.

**NEW ZEALAND**—A large seeded cut-and-come-again variety. Not planted commercially. One plant will cover a 4-foot area. Pkt. 10c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, postpaid.

## SALSIFY

**SANDWICH ISLAND**—An improved type and the largest and most delicious salsify in cultivation. Pkt. 10c, oz. 20c, 1/4 lb. 65c, 1 lb. \$2.00, postpaid.



Spinach, Prickly Winter Hollandia

## SQUASH

**CULTURE**—Sow in the spring after all danger of frost is over and also in the fall in time to mature a crop before frost. Light, warm, soil is best. Plant bush varieties in hills 4 to 4 feet apart and vining varieties from 6 to 8 feet apart. Plant about six seeds to the hill and thin out to the three best plants. One ounce will plant about 40 hills of bush varieties and about 15 hills of vining varieties. Three or four pounds is required to the acre.

For very early plantings protect them with Hotkaps.

All varieties squash seed priced as follows unless otherwise noted: Pkt. 5c, 1 oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, postpaid. Write for quantity prices.

## Summer Varieties

**BLACK ZUCCHINI or ITALIAN**—The most desirable sort for the home and market garden. The fruits are long and very dark green. Vines are bush formed and very productive. Fruits are used when quite young and average 4 to 6 inches long.

**EARLY SUMMER CROOKNECK**—A small crook-neck summer squash. Skin bright yellow. This is the richest of summer squashes. Very early and productive.



Squash, Black Zucchini

YOU CAN INCREASE THE NUMBER AND QUALITY OF BERRIES ON ORNAMENTAL

SHRUBS . . . by spraying with

## FRUITONE

REG. U. S. PAT. OFF.

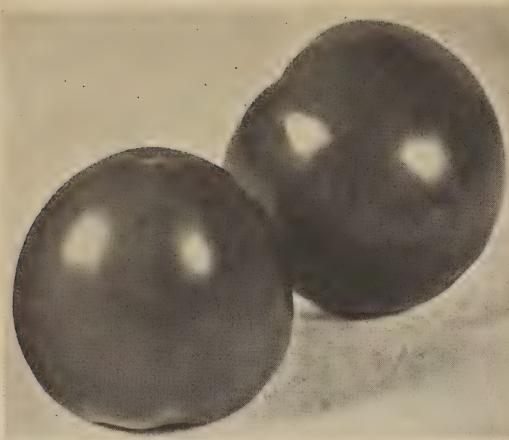
This plant hormone spray will help to develop big berries on holly, snow berry, euonymus, pyracantha and other berry bearing shrubs—even when they are bi-sexual and no male plants are near. Simple and easy to use. Stops drop of leaves and fruit.

2 oz. packet (5 gallons of spray) 25c.

2 ozs. (25 gallons of spray) \$1.00.

PRICES LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE

# Plant Liefgreen's Finer Vegetable Seeds



*Tomato, Improved New Stone*

## TOMATOES

**CULTURE**—Tomatoes do best in light, warm, rich soil. Sow in hot beds about eight weeks before they are to be set in the field. The time of planting depends on the soil and climatic conditions. If you want early market tomatoes, we advise covering with Hotkapp Plant Protectors for frost protection. Transplant 3 to 6 feet apart in rows 4 to 6 feet apart, the distance apart to be governed by the nature of the plants, whether compact, upright growth or of vining habit. Plow and pulverize the soil to a good depth so that the roots may penetrate deeply and avoid the hot surface soil. Use about  $\frac{1}{4}$  pound of seed for field planting or 1 ounce of seed for every 2,000 plants in the hot bed.

**SELECT EARLIANA**—The most popular first early variety grown in the Salt River Valley. The plant is very hardy, with light foliage which tends to early ripening. Yields well and the fruit is solid and of fine quality. Pkt. 10c. oz. 60c.  $\frac{1}{4}$  lb. \$2.00. lb. \$6.00.

**FIRST EARLY**—An exceptionally good strain of Earliana type. Fruit high color solid and smooth. This tomato packs well and is a good shipper. One of the best of the early tomatoes. Pkt. 10c. oz. 60c.  $\frac{1}{4}$  lb. \$2.00. 1 lb. \$6.00, postpaid.

**EARLY NO. 498**—Recommended for the critical grower trade, of the Earliana type, globe shaped, smooth of rich scarlet color. Probably the best of its type. Pkt. 10c. oz. 60c.  $\frac{1}{4}$  lb. \$2.00. lb. \$6.00.

**BREAK-O-DAY**—One of the earliest varieties. Medium size, solid fruit of bright red color. Excellent for the home garden, market and shipping. Pkt. 10c. oz. 60c.  $\frac{1}{4}$  lb. \$2.00. 1 lb. \$6.00, postpaid.

**CHAULK'S EARLY JEWEL**—Nearly as early as Earliana. Fruit large and of fine flavor. Pkt. 10c. oz. 50c.  $\frac{1}{4}$  lb. \$1.50. 1 lb. \$5.00, postpaid.

PRICES LISTED HEREIN ARE SUBJECT  
TO CHANGE WITHOUT NOTICE

**DWARF STONE**—Very erect habit of growth, allowing plants to be set as close as 18x24 inches. Very prolific, smooth, and ripens early. Color bright red. Pkt. 10c. oz. 50c.  $\frac{1}{4}$  lb. \$1.65. 1 lb. \$5.00, postpaid.

**IMPROVED NEW STONE**—The most popular summer tomato. Good size, bright red, solid, smooth and enormously productive. Pkt. 10c. oz. 55c.  $\frac{1}{4}$  lb. \$1.85. 1 lb. \$5.50.

**MARGLOBE**—The vine is vigorous, resistant to disease, fruit a large, slightly flattened globe, of fine bright color, very firm and meaty and of the very best quality. Pkt. 10c. oz. 60c.  $\frac{1}{4}$  lb. \$2.00. 1 lb. \$6.00, postpaid.

**NORTON WILT RESISTANT**—A wilt resistant Stone tomato that has gained popularity owing to its wilt resistant qualities. Pkt. 10c. oz. 55c.  $\frac{1}{4}$  lb. \$1.85. 1 lb. \$5.50, postpaid.

**PHOENIX SPECIAL**—A good summer tomato. Bright purple scarlet, almost globular in shape. Very productive and sets early. Pkt. 10c. oz. 60c.  $\frac{1}{4}$  lb. \$2.00. 1 lb. \$6.00, postpaid.

**PONDEROSA or BEEFSTEAK**—A very large tomato with very few seeds and of excellent flavor. The color is bright red with very firm substantial meat and luscious flavor. Pkt. 10c. oz. 65c.  $\frac{1}{4}$  lb. \$2.45. 1 lb. \$6.50, postpaid.

**GOLDEN BALL**—Round, smooth, yellow turnip of fine quality. Good keeper. Pkt. 5c. oz. 15c.  $\frac{1}{4}$  lb. 40c. 1 lb. \$1.25, postpaid.



*Turnip, Purple Top White Globe*

**RED CHERRY**—Small bright scarlet fruits borne in clusters. Pkt. 10c. oz. 60c, postpaid.

**HUSK or GROUND CHERRY TOMATO**—Immensely productive; the small fruits are enclosed in a husk. Pkt. 10c. oz. 60c, postpaid.

**YELLOW PEAR**—The favorite for preserves. Bright yellow pear-shaped fruit. Rich and distinct flavor. Pkt. 10c. oz. 60c, postpaid.

## TURNIPS

**CULTURE**—Sow from September 1 to March 1 in loose loamy soil in double rows on ridges. One ounce of seed will sow about 100 feet of row or 2 pounds to the acre.

**PURPLE TOP WHITE GLOBE**—The most popular and the most attractive turnip on the market. Pkt. 5c. oz. 15c.  $\frac{1}{4}$  lb. 35c. 1 lb. \$1.00, postpaid.

**PURPLE TOP STRAP LEAVED**—Quick grower. Flesh very fine grained and sweet. Pkt. 5c. oz. 15c.  $\frac{1}{4}$  lb. 35c. 1 lb. \$1.00, postpaid.

**WHITE EGG**—An egg-shaped variety for early or late planting. Pkt. 5c. oz. 15c.  $\frac{1}{4}$  lb. 35c. 1 lb. \$1.00, postpaid.

**GOLDEN BALL**—Round, smooth, yellow turnip of fine quality. Good keeper. Pkt. 5c. oz. 15c.  $\frac{1}{4}$  lb. 40c. 1 lb. \$1.25, postpaid.

Germaco  
**Hotents**

... Enable You to Plant Earlier...  
Protect Longer!

Big brothers to the famous Germaco Hotkaps. Extra large size provides extra large space for growing plants. Lengthen your season, help you get to market earlier for highest prices. (See Hotkaps, page 21).

PRICES: 500 lots, \$7.50; 1000 lots, \$14.50. Setter, \$1.75; postage or freight extra.



# Berry Plants and Vegetables for the Victory Garden

## STRAWBERRIES

### Strawberry Culture

In the warmer sections of Arizona strawberries are usually planted on raised beds similar to lettuce beds. Alternate plants on each side of the bed about 12 inches apart. Water immediately after planting. Irrigating during the winter depends entirely on weather conditions. During the summer months plants must be watered not less than every three days. Under no conditions should plants be cultivated during the summer months as the plants are very shallow rooted. Allow weeds to grow around the plant during the summer months to provide shade. In the fall months the plants may be cultivated and fertilized. Also fertilize during the bearing season. Strawberries may be planted from the fall months on through to late spring.

**IMPROVED KLONDIKE**—This variety does well in hot sections. It is a vigorous grower, very prolific and yields over a long period. A medium size berry of good flavor and is an excellent shipper. **Dozen 35c, per 100 plants, \$2.00, postpaid.**

**MASTODON, EVERBEARING**—Mammoth sized berries round in shape, medium dark red in color. An early producer bearing both fall and spring. **Dozen 50c, per 100, \$3.00, postpaid.**



## BLACKBERRIES

**TEXAS WONDER BERRY**—A large fruited luscious berry of rich dark color. It is one of the earliest varieties and very productive. **Each 20c, 3 for 50c, doz. \$1.75, \$9.00 per 100, postpaid.**

## BOYSENBERRY

This new berry is twice as large as the Youngberry but of the same appearance. The Boysenberry is practically seedless and the flavor is unexcelled. Set the plants 5 or 6 feet apart in rows 8 feet apart for commercial use. In the home garden, they may be set closer together in rows. **Strong transplanted roots: Each 20c, 3 for 50c, 12 for \$1.75, \$9.00, postpaid.**

## LOGANBERRIES

Supposed to be a hybrid between the blackberry and raspberry, but it is entirely distinct from either of its parents. When fully ripe it is a very dark red, very large, often an inch and a quarter long. **Each 20c, 3 for 50c, 12 for \$1.75, \$9.00 per 100.**

## YOUNGBERRY

This well-known berry is a cross between the loganberry and the dewberry. It has the pleasant flavor of the red raspberry, the juiciness of the loganberry and the jelling and canning qualities of the blackberry. **Each 20c, 3 for 50c, doz. \$1.75, \$9.00 per 100, postpaid.**



Boysenberry

## LIEFGREEN'S Vegetable Plants and Roots

All plants shipped at customer's risk. We cannot secure plants after dates specified.

### Asparagus

Asparagus is very easily grown. For the small garden set plants 12 inches apart in rows 3 to 4 feet apart. Set the plants 8 to 10 inches deep in well tilled beds. After frost in the fall cut the dead tops and mulch the surface.

**MARY WASHINGTON**—A variety that has come to the front, grows very large and is very rust resistant. **40c per doz., 50 for \$1.25, 100 for \$2.00, \$15.00 per 1000, postpaid.**

### Pepper Plant

**CHINESE GIANT, CALIFORNIA WONDER, ANAHEIM CHILI**—From about March until June 1st. Per doz. 50c, per 100, \$2.00, postpaid.

### PLEASE READ BEFORE ORDERING

Owing to the expense of packing plants we do not ship orders for less than \$1.00. When we ship plants by mail or express we do so at the buyer's risk, and we do not ship plants C. O. D. Prices quoted in dozen and 100 lots are postpaid.

WRITE FOR QUANTITY PRICES

### Cabbage and Cauliflower

Plants quoted on request. State quantity.

### Egg Plants

**NEW YORK ROUND PURPLE** and **BLACK BEAUTY**—From about March 1 until May 15. Per doz. 50c, per 100, \$2.00, postpaid.

### Sweet Potato Plants

**PORTO RICAN**—Best for Arizona. We can furnish plants from April 1 to July 1. Per doz. 25c, \$1.00 per 100, \$8.00 per 1000, postpaid in first, second and third zones. Write for quantity prices.

### Tomato Plants

Grown from Selected Seeds

**EARLIANA, PHOENIX SPECIAL, BEEFSTEAK, MAR-GLOBE, NEW STONE, and DWARF STONE**—Ready about March 1 until May 15. Per doz. 40c, per 100, \$1.50, postpaid.

### Rhubarb

**GIANT CHERRY**—Stalks of large size and excellent flavor. One of the prime favorites in rhubarb. Large divisions. **30c each, \$2.50 doz., postpaid.**



Asparagus

# Liefgreen's Grass Seeds for Winter and Summer

Success in Lawn Making Requires First of All

## GOOD SEED

Liefgreen's Lawn Seeds are thoroughly cleaned and are tested for purity and germination.

When you buy Liefgreen's Lawn Grass Seed you avoid failure and disappointment.

**DIRECTIONS FOR PLANTING**—First level the ground thoroughly and pulverize the soil. Enrich with our Lawn and Garden Fertilizer at the rate of 100 pounds to 3000 square feet. Scatter the seed evenly over the surface at the rate of 1½ to 2 pounds to 10 x 10 feet for Australian Rye Grass; one pound to 10 x 20 for Blue Grass; one pound to 500 square feet for Bermuda Grass and one pound to 2000 square feet for White Dutch Clover when planted with other grasses. After sowing spread a light mulch of Horticultural Peat Moss over the surface. The mulch will quicken germination and prevent the soil from crusting. Water carefully and regularly with a fine spray, never allowing the surface to dry out until the grass is up. Plant Rye Grass, Blue Grass and White Clover from September 1st until early spring and Bermuda Grass during the spring, summer and fall months.

PRICES LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE.

### Australian Rye Grass

An extremely hardy and the most popular winter lawn grass in the Salt River Valley and similar climates. Our seed is of the highest germinating quality, thoroughly recleaned and sure to please. **Postpaid prices:** 1 lb. 30c, 5 lbs. \$1.00, 10 lbs. \$1.75. **Not postpaid (f.o.b. Phoenix)** 1 lb. 15c, 5 lbs. 75c, 10 lbs. \$1.50, 25 lbs. \$3.75, 50 lbs. \$6.00.

WRITE OR PHONE FOR QUANTITY PRICES

### Bermuda Grass

Used exclusively for summer lawns in the Salt River Valley and similar climates. We carry a very selected grade of seed, thoroughly recleaned, thereby eliminating the undesirable weed seeds. **Lb. \$1.00, 5 lbs. \$4.75, 10 lbs. \$9.00, postpaid.**

### Kentucky Blue Grass

Fancy, recleaned seed of tested quality. Used for summer lawns in the higher altitudes and mountain districts and in the warmer sections for winter lawns. **Lb. 50c, 10 lbs. \$4.50, postpaid.**

### Poa Trivalis

Used for golf courses, putting greens and fairways and very satisfactory for lawns in shady places. Leaves are narrow and flat. **Lb. \$1.25, 10 lbs. \$12.00, postpaid.**

### White Dutch Clover

Strictly first-class seed, absolutely clean and pure and of the highest quality. Makes a very attractive lawn when mixed with winter lawn grass. **Lb. \$1.25, 10 lbs. \$12.00, postpaid.**

### Red Top

**AGROSTIS ALBA**—A fine-bladed grass that is often used with Rye Grass and Kentucky Blue Grass for golf courses and lawn purposes. Also used for pasture grass in higher altitudes. For pasture, sow 15 pounds per acre. **Lb. 40c, 10 lbs. \$3.50, postpaid.**

### Seaside Bent

**AGROSTIS MARITIMA**—A true creeping bent, used for putting greens. Our stock is recleaned and extremely pure and free from weed seeds. Certified (Blue Tag) seed. **1 lb. \$1.25, 5 lbs. \$5.75, postpaid.**

POSTAGE OR TRANSPORTATION CHARGES PAID BY US ON ALL GRASS SEED UNLESS SPECIFICALLY STATED OTHERWISE.

## FIELD SEEDS, CLOVERS AND GRASS SEEDS

Postage paid on Field Seeds to and including Third Zone only and up to and including 10 pounds.

We request buyers of sack lots or over to write us for special quotations.

Our Field Seeds are thoroughly recleaned to insure high germination and purity.

### Alfalfa

**LIEFGREEN BRAND CHILEAN ALFALFA SEED**—Chilean alfalfa seed is the type used very extensively in the Salt River Valley. Plant 20 pounds per acre. **1 lb. 50c, 10 lbs. \$4.50.**

**LIEFGREEN BRAND HAIRY PERUVIAN ALFALFA SEED**—Produces remarkable amount of tonnage. **1 lb. 50c, 10 lbs. \$4.50.**

### Miscellaneous Grain

AS ALL GRAINS FLUCTUATE IN PRICE, WE ARE UNABLE TO LIST POSITIVE PRICES. PLEASE ASK OR WRITE FOR SAMPLES AND PRICES, STATING QUANTITIES.

**LIEFGREEN'S DWARF MILO MAIZE**—A very select strain of Dwarf Milo Maize. Plant three pounds to the acre. **1 lb. 25c, 5 lbs. 75c, 10 lbs. \$1.25.**

**LIEFGREEN'S RESELECTED HEGARI**—Harvested from selected heads. **1 lb. 25c, 5 lbs. 75c, 10 lbs. \$1.25.**

**STANDARD BARLEY.**

**CLUB WHEAT**—Soft spring wheat.

**WINTER RYE**—A winter pasture crop.

**EARLY BAART WHEAT**—Planted from October to March.

**TEXAS RED OATS**—For fall and spring sowing.

**EARLY AMBER CANE**—For pasture we recommend sowing from 50 to 60 pounds per acre.

**RED TOP CANE**—Will make an abundance of fodder either green or cured.

**TEXAS SEEDED RIBBON CANE and ORANGE CANE**—For syrup purposes.

**SUNFLOWER**—Highly valued by poultry breeders as poultry feed. **1 lb. 25c, 10 lbs. \$2.00, postpaid.**

**GOLDEN MILLET**—Sow 30 pounds per acre. **1 lb. 25c, 10 lbs. \$2.00, postpaid.**

**VETCH**—Sow 40 pounds per acre with grain. **1 lb. 25c, 10 lbs. \$2.00, postpaid.**

pounds per acre. **1 lb. 25c, 10 lbs. \$2.00, postpaid.**

**SWEET CLOVER (Mellilotus Alba)** or **White Blossom Sweet Clover**—Sow in the spring or fall at the rate of 20 to 25 pounds to the acre. Scarified seed, per lb. **40c, 10 lbs. \$3.50, postpaid.**

**MELLILOTUS INDICA (Sour Clover)**—As a cover crop in citrus groves it has no equal. We offer only the best quality, recleaned and scarified seed. **1 lb. 25c, 10 lbs. \$2.00, postpaid.**

### Pasture and Hay Grasses

**SUDAN GRASS**—A drought resisting annual. Grows in a wide range of soils, from sand to heaviest adobe. **1 lb. 25c, 10 lbs. \$2.00, postpaid.**

**BROME GRASS (Bromis Inermis)**—An excellent pasture grass for general range purposes. **1 lb. 50c, 10 lbs. \$4.50, postpaid.**

**TIMOTHY**—Sown in our highest altitudes where it is quite successful. Requires 15 pounds per acre when sown alone. **1 lb. 30c, 10 lbs. \$2.50, postpaid.**

**ORCHARD GRASS**—A valuable pasture grass for the higher altitudes of Arizona; produces an immense quantity of forage and hay of the best quality. Sow 35 pounds per acre. **1 lb. 75c, 10 lbs. \$7.00, postpaid.**

**MEADOW FESCUE**—This is a very valuable species for permanent grass lands and is relished by livestock both in hay and pasture. Sow 20 to 25 pounds per acre on well prepared soil. **1 lb. 65c, 10 lbs. \$3.00, postpaid.**

### Field Peas and Beans

**WHIP-POOR-WILL COW PEAS**—As a soil renovator. They should be planted at the rate of 50 to 100 pounds to the acre. **1 lb. 25c, 10 lbs. \$2.00, postpaid.**

**BLACK-EYED PEAS**—Easy to grow. **1 lb. 25c, 10 lbs. \$2.00, postpaid.**

**PINK BEANS**—Plant 40 pounds of seed to the acre, in rows about 30 to 36 inches apart. **1 lb. 25c, 10 lbs. \$2.00, postpaid.**

### Cover Crops

**SESBANIA (Wild Hemp)**—Sesbania is a very fast growing plant requiring only 8 to 10 weeks from time of germination to time of plowing under. Sow broadcast at the rate of 30 to 40

# When to Plant Vegetable Seeds

Vegetable	To 1000 ft. Elevation	1000-3000 ft. Elevation	3000-4500 ft. Elevation	4500-6000 ft. Elevation*
Asparagus.....	Oct. 1-Feb. 1	Oct. 1-Feb. 1	Feb.-March	April 1-15
Beans, Bush.....	Feb. 1-July 15-30	Feb.; July 1-15	April 15-July 30	May 1-10
Pole.....	Aug. 10-30; Feb. 15-April 1	Feb.; July 1-15	April 15-June 1	May 1-10
Beet.....	Aug. 1-May 1	Sept.-May	April 15-June 15; Aug. 1-30	April 1-30
Broccoli.....	July-Jan.	Sept. 1-Jan. 1	Seed: Feb. 15-28 Field: March 1-June 1	
Cabbage.....	Seeds: July-Jan. Plants: Oct. 1-Feb. 1	Seed: July-Jan. Plants: Sept.-Feb.	Seed: Feb. 15-April 15 Field: Feb. 15-May 1; July 20-25	Seed: March 15 Field: May 1 Seed in field: April 15-30
Carrots.....	Aug. 1-April 1	Aug.-April 1	April 1-Sept. 1	Aug.-Feb.
Cauliflower.....	Seed: July-Jan. Plants: Oct.-Feb.	Seed: July-Dec. Field: Sept.-Feb.	Seed: Feb. 15-April 15 Field: Feb. 15-May 1; July 20-25	Seed: March 15 Field: May 1 Seed in field: April 15-30
Celery.....	Seed: May-July 15 Plants: Aug.-Oct. 15	Seed: July 1-31 Plants: Sept. 1-Nov. 1	Seed: Feb. 1-March 1 Plants: June 15-Aug. 1	
Chard.....	Aug.-March	Aug. 15-Dec. 1	Feb. 15-April 1	April 1-May 15
Corn, Sweet.....	Feb. to Aug.	April 1-Aug. 1 (May 20-June 10 best)	April 1-July 20	May 1-15
Cucumber.....	Mar. 1-31 and Aug.	April 1-June 15	April 15-June 15	May 1-10
Eggplant.....	Seed: Jan.-Feb. Plants: Mar. 1-May 1	Seed: March 1 Field: April 1-June 1	Seed: March 1 Field: May 1-June 15	Seed: April 1-15 Field: May 1-15
Endive.....	Sept. 1-Dec. 1	Sept. 1-Jan. 1	Oct. 25-Jan. 1 Aug. 15-25	April 1-30
Garlic.....	Sept.-Dec.	Sept.-Dec.	May 1-June 15	April 1
Kale.....	Sept. 1-Jan. 1	Aug. 15-Dec. 1	Feb. 15-April 15	Seed: March 15 Field: May 1 Seed in field: April 15-30
Kohlrabi.....	Sept. 1-Jan. 1	Aug. 15-Dec. 1	Feb. 15-April 15	Seed: March 15 Field: May 1 Seed in field: April 15-30
Leek.....	Sept. 1-Jan. 1	Sept. 1-Feb. 1	May 1-June 15	
Lettuce.....	Sept. 1-Feb. 1	Sept. 1-Feb. 1	Oct. 25-Feb. 15 June 1-July 10	April 1-30
Muskmelon.....	March 1-April 10	March 1-June 1	May 1-June 15	May 1-15
Mustard.....	Sept.-Feb.	Sept.-March	Feb. 15-April 15	April
Okra.....	March-June	April 1-June 1	May 1-June 15	May and June
Onion.....	Seed: Aug.-Nov. Plants: Nov.-Jan.	Seed: Sept.-Feb. Field: Dec.-Jan.	Feb. 15-March 1 Oct. 30-31	Sets: April 1-15
Parsley.....	August-March	Sept. 1-30	May 1-June 15	April 1-15
Parsnip.....	Oct.-Dec.	Sept. 1-Jan. 1	April 1-June 1	April 1-15
Peas.....	Sept. 1-March 1	Sept. 1-March 1	Jan. 15-April 15 July 25-Aug. 10	April 1-30
Pepper.....	Seed: Sept.-March Plants: Feb.-April	Seed: March 1 Field: April 1-30	Seed: March 1-28 Field: May 1-June 15	Seed: April 1-15 Field: May 1
Potato, Irish.....	Dec. 15-Feb. 15 Aug. 15-Sept. 1	Jan. 1-March 1	April 1-30 July 10-25	May 8-12
Potato, Sweet.....	Seedbed: Feb.-March Field: March-June	Seedbed: Mar. 1-May 15 Field: April 1-July 1	Seedbed: March 15 Field: May 10-25	Seedbed: April 1-15 Field: May 15-20
Pumpkin.....	March-July	April 1-July 1	April 15-July 1	May 1-10
Radish.....	Sept.-May	Sept. 15-April 1	March 15-June 15 Aug. 1-Sept. 1	April 1-May 15
Rutabaga.....	Sept.-April	Sept. 15-March 1	March 1	April 1-May 1
Scallify.....	Sept.-April	Oct. 1-Dec. 1	March 15-June 15 Aug. 1-31	April 1-May 15
Spinach.....	Sept. 1-Feb. 1	Sept. 15-March 1	Feb. 15-May 1 Aug. 1-15	April 1-May 15
Squash.....	Feb. 15-April 10 Aug. 1-Sept. 1	March 1-July 1	April 15-July 1	May 1-15
Tomato.....	Seed: Nov.-March Plants: Jan.-April	Seed: Feb. 15 Field: April 1-July 1	Seed in field: April 1-June 1 Plants: May 1-June 15	Seed: May 15-30 Field: June 1-15
Turnip.....	Sept.-April	Sept. 1-March 1	March 1; Aug. 15-Sept. 1	April 1-30
Watermelon.....	Feb.-April 1	March 1-June 1	April 15-June 1	May 1-15

\*For safe planting dates for elevations between 6000 and 7500 feet add two weeks to dates in this column.

# For Best Results Use Liefgreen's Seeds

## LIEFGREEN'S REVISED PLANTING CHART

VEGETABLE	Seeds or Plants to 100 Feet of Row	Seeds or Plants per Acre		Distances for Plants to Stand		Depth of Planting in Inches (For Field)	Ready for Use (Time of Maturity) Approximate		
		Seed Drilled	Plants Set	Between Rows for Cultivation					
				Horse	Hand				
Asparagus Seed	1 oz.	6 lb.	3,700	3-4 ft.	1-2 ft.	2 in.	1 in. 2-3 years		
Asparagus Roots	50 plants			6 ft.	2 ft.	10-12 in.	1 year		
Beans, Bush	1 lb.	100 lb.		2½-3 ft.	1½-2 ft.	3 in.	1-2 in. 60-80 days		
Beans, Pole	½ lb.	50 lb.		3-3½ ft.	1½-2 ft.	6 in.	1-2 in. 75-90 days		
Beets	2 oz.	8-10 lb.		2-3 ft.	1½-2 ft.	Drill	½-1 in. 75-90 days		
Broccoli	¼ oz.	2 lb.		3-3½ ft.	2½-3 ft.	18-24 in.	½ in. 100-125 days		
Cabbage, Summer	¼ oz.	4 lb.	17,000	2½-3½ ft.	2-3 ft.	12-16 in.	½ in. 90-120 days		
Cabbage, Fall	¼ oz.	2 lb.	17,000	2½-3½ ft.	2-3 ft.	12-16 in.	½ in. 90-120 days		
Carrot	1 oz.	3-5 lb.		2-3 ft.	1½-2 ft.	Drill	½ in. 70-100 days		
Cauliflower	¼ oz.	2 lb.	10,000-13,200	2½-3½ ft.	1½-2 ft.	14-18 in.	½ in. 120-150 days		
Celery	¼ oz.		29,000	3 ft.	1½-3 ft.	6 in.	½ in. 110-120 days		
Collards	¼ oz.	2 lb.		2½-3½ ft.	2-2½ ft.	14-18 in.	½ in. 100-120 days		
Corn, Sweet	½ lb.	8-10 lb.		3-4 ft.	2½-3 ft.	12-18 in.	1-2 in. 70-100 days		
Cucumber	½ oz.	3 lb.		4-6 ft.	4-6 ft.	3-5 ft.	1-2 in. 60-90 days		
Eggplant	½ oz.	½ lb.	5,250-6,600	3-3½ ft.	2½-3 ft.	24-30 in.	½ in. 100-120 days		
Endive	½ oz.	2 lb.		2½-3 ft.	1½-2 ft.	thin to 1 ft.	½ in. 90-120 days		
Garlic (sets)	250 cloves	300-400 lb.		2½-3 ft.	1½-2 ft.	5 in.	1-2 in. 4-5 months		
Kale	½ oz.	2 lb.		2½-3 ft.	1½-2 ft.	thin to 18 in.	½-1 in. 50-70 days		
Kohlrabi	½ oz.	2 lb.		2½-3 ft.	1½-2 ft.	6-8 in.	½-1 in. 70-80 days		
Leek	½ oz.	4 lb.		2½-3 ft.	1½-2 ft.	4-6 in.	½ in. 90-120 days		
Lettuce	½ oz.	2 lb.		2-2½ ft.	1½-2 ft.	12-14 in.	½ in. 90-120 days		
Muskmelon	½ oz.	2 lb.		4-7 ft.	4-7 ft.	3-6 ft.	1-2 in. 90-120 days		
Watermelon	1 oz.	3 lb.		10-12 ft.	10-12 ft.	6-8 ft.	1-2 in. 80-120 days		
Mustard	½ oz.	2 lb.		2½-3 ft.	1-1½ ft.	thin to 4 in.	¼-½ in. 60-90 days		
New Zealand Spinach	1 oz.	8 lb.		3 ft.	2-3 ft.	12 in.	1-2 in. 60-100 days		
Okra	2 oz.	10-12 lb.		3-4 ft.	2½-3 ft.	10-18 in.	½ in. 75-100 days		
Onion, Seed	1 oz.	3 lb.		2-3 ft.	1½-2 ft.	2 in.	½ in. 125-150 days		
Onion, Sets	2 lb.	250 lb.		2-3 ft.	1½-2 ft.	4-6 in.	1-2 in. 100 days		
Parsley	½ oz.	3 lb.		2-3 ft.	1½-2 ft.	thin to 3 in.	¼-½ in. 80-120 days		
Parsnip	½ oz.	3 lb.		2½-3 ft.	1½-2 ft.	2 in.	½ in. 100-120 days		
Peas	1 lb.	60-100 lb.		2½-3 ft.	1½-2 ft.	4-6 in.	1-2 in. 60-100 days		
Pepper	½ oz.	¼ lb.	10,000-13,200	2½-3 ft.	1½-2 ft.	14-18 in.	½ in. 90-120 days		
Potatoes, Irish	10 lb.	600-800 lb.		2½-3 ft.	1½-2 ft.	14-20 in.	4-6 in. 100-120 days		
Potatoes, Sweet	100 plants		14,000 plants	3 ft.	3 ft.	12 in.	1-2 in. 100-160 days		
Pumpkin	1 oz.	3 lb.		6-10 ft.	6-10 ft.	6-10 ft.	1-2 in. 90-120 days		
Radish	1 oz.	10-12 lb.		2½-3 ft.	1½-2 ft.	1 in.	½ in. 40-60 days		
Rhubarb, Roots	20-50 plants			3-5 ft.	3-5 ft.	2-4 ft.	3-4 in. 2-3 years		
Rutabaga	1 oz.	2 lb.		2½-3 ft.	1½-2 ft.	4-6 in.	½ in. 100-120 days		
Salsify	1 oz.	8 lb.		2½-3 ft.	1½-2 ft.	Drill	½-1 in. 150 days		
Spinach	½ oz.	25-35 lb.		2½-3 ft.	1½-2 ft.	Drill	½ in. 40-75 days		
Squash, Summer	1 oz.	3-4 lb.		3-4 ft.	3-4 ft.	3 ft.	1-2 in. 60-70 days		
Tomato	½ oz.	4 oz.	3,000 average	3-6 ft.	3-4 ft.	3-6 ft.	½ in. 90-120 days		
Turnip	1 oz.	2 lb.		2½-3 ft.	1½-2 ft.	Drill	½ in. 90-120 days		



## NUMBER OF PLANTS TO AN ACRE

SET AT REGULAR DISTANCE APART

Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre
3 x 4 in.	522,720	3 x 1 ft.	14,520	4½ x 4½ ft.	2,150	6 x 7 ft.	1,031	11 x 11 ft.	360	19 x 19 ft.	120
4 x 4 in.	392,040	3 x 2 ft.	7,260	5 x 1 ft.	18,712	6 x 8 ft.	907	12 x 12 ft.	302	20 x 20 ft.	108
6 x 6 in.	174,240	3 x 3 ft.	4,840	5 x 2 ft.	4,356	6 x 9 ft.	806	14 x 14 ft.	222	25 x 25 ft.	69
1 x 1 ft.	43,560	3½ x 3½ ft.	3,555	5 x 3 ft.	2,904	6 x 10 ft.	726	15 x 15 ft.	193	30 x 30 ft.	48
1½ x 1½ ft.	19,360	4 x 1 ft.	10,890	5 x 4 ft.	2,178	7 x 7 ft.	888	16 x 16 ft.	170	33 x 33 ft.	40
2 x 1 ft.	21,780	4 x 2 ft.	5,445	5 x 5 ft.	1,742	8 x 8 ft.	680	16½ x 16½ ft.	160	40 x 40 ft.	27
2 x 2 ft.	10,890	4 x 3 ft.	3,630	5½ x 5½ ft.	1,440	9 x 9 ft.	537	17 x 17 ft.	150	50 x 50 ft.	17
2½ x 2½ ft.	6,960	4 x 4 ft.	2,722	6 x 6 ft.	1,200	10 x 10 ft.	435	18 x 18 ft.	134	60 x 60 ft.	12

RULE—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill; which divided into the number of square feet (43,560), will give the number of plants to the acre.



*Thompson's*

## HORMONE-VITAMIN FORMULAS REE-ROOT

For rapid rooting of cuttings. Two proven formulas: No. 1 for sensitive plants. 2 oz. can. 75¢; No. 2 for hardy, woody plants. 1½ oz. can. \$1.

### TRANSPLANT TABLETS

For reducing root shock in all transplanting. Two tablets make 1 gal. solution. 40 tablets. 50¢; 100 tablets. \$1.

### PRE-PLANT

Dust on seeds and bulbs for quicker, better germination. 2 oz. can. \$1.

### VITAMIN B<sub>1</sub> PELLETS

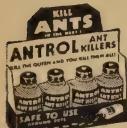
Now contain all the known factors of Vitamin B-Complex. Vital aid to all plant growth. 100 pellets. \$1.



THOMPSON'S B<sub>1</sub>, VITAMIZER attaches to hose, automatically mixes and distributes solution. \$1. 100 Thompson's B<sub>1</sub> Pellets and Vitamizer. \$1.89.

Simple directions with all products

Try all 4 of these proven products of modern science.



## ANTROL Kills Sweet and Grease Eating Ants

### A SCIENTIFIC METHOD, SAFE, SURE, PERMANENT

Antrol is easy to use, economical, safe around children and pets. Consists of small glass containers from which worker ants carry special Antrol Syrup to their nests for food. The ant family is often killed at the source—the only way to get permanent relief. Controls both sweet and grease-eating ants. Guaranteed. Proved in over a million homes. Prices: Antrol Ready-filled set, contains 4 filled feeders, 50¢; Antrol Regular Set, 4 containers and 4-oz. bottle syrup, enough for 2 fillings. .... 75¢ Antrol Syrup for refilling, 4-oz. bottle, 30c. Pint bottle, 60c. Prices postpaid.

SAFE TO USE AROUND CHILDREN AND PETS  
Can be used inside or outside the house.



### ANTROL ANT TRAPS

Kills both sweet and grease eating ants, contains two kinds of specially prepared material. Each 10c, postpaid. Can be used inside or outside the house.

### SNAROL

Metaldehyde-Arsenical Bait  
Attracts and kills snails and slugs. Snarol may also be used to control Sowbugs, Cutworms, Earwigs, etc. A ready-prepared bait meal that is non-injurious to vegetation when used as directed. Retains its effectiveness for from five to ten days after being put out. 1-lb. packages, 25c; 2½-lb. packages, 50c; 6-lb. packages, \$1.00; 10-lb. bags, \$1.50; 50-lb. bags, \$5.50. Postage extra.



### ANTROL SOWBUG-CUTWORM CONTROL

An especially prepared bait made very attractive to these hard to control pests and used by commercial and home gardeners everywhere. Guaranteed to give satisfaction. Packed in cans with convenient pouring spout. 8 oz. can, 35c; 12 oz. can, 45c. Prices postpaid.



*sure there's a better plant food in a BANDINI bag*



*And there is one for every garden need.*

### BANDINI GRO-RITE

This complete plant food contains all the important food elements plants require, providing a well balanced, complete diet. GRO-RITE is an all purpose, safe, clean, easy to use fertilizer. Especially recommended for new or established lawns and gardens.

2½ lbs. 30c; 5 lbs. 45c; 10 lbs. 85c; 25 lbs. \$1.55;  
50 lbs. \$2.60; 100 lbs. \$4.25.



### BANDINI ROSE FOOD

Feed your roses with this specially compounded food during the growing season. BANDINI ROSE FOOD contains those elements roses need to produce a greater number of beautiful long stemmed blooms and all around healthier plants.

2½ lbs. 30c; 5 lbs. 45c; 10 lbs. 85c; 25 lbs. \$1.55;  
50 lbs. \$2.60; 100 lbs. \$4.25.



### BANDINI BULB FOOD

This special food is well supplied with Bone Meal (Phosphoric Acid) and Potash in addition to the other essential food ingredients bulbs require. Bandini Bulb Food will greatly increase the beauty, number and size of the flowers from each bulb.

2½ lbs. 30c; 5 lbs. 45c; 10 lbs. 85c; 25 lbs. \$1.55;  
50 lbs. \$2.60; 100 lbs. \$4.25.



### BANDINI ACID FOOD

Specially compounded for the feeding of all acid loving plants. All the food elements in this fertilizer are acid reacting and should be used on Azaleas, Camellias, Gardenias, Begonias, Ferns, etc.

2½ lbs. 30c; 5 lbs. 45c; 10 lbs. 85c; 25 lbs. \$1.55;  
50 lbs. \$2.60; 100 lbs. \$4.25.



### BANDINI SWEET PEA FOOD

Unexcelled for use at the time of planting Sweet Peas as well as feeding during the growing season. It contains the food elements Sweet Peas need for sturdier plants, and a greater number of beautiful long stemmed blooms. Regular feeding with Bandini Sweet Pea Food will also increase the length of the blooming period.

2½ lbs. 30c; 5 lbs. 45c; 10 lbs. 85c; 25 lbs. \$1.55;  
50 lbs. \$2.60; 100 lbs. \$4.25.



*Pamphlet giving complete directions for use furnished upon request.*

### BANDINI WHITE WASH

A dry white powder when mixed with water and properly applied, will give a snow white coat that will stick and NOT RUB OFF. Used for painting trees for sun protection, fences, outbuildings, etc.

#### FULL INSTRUCTIONS WITH EVERY PACKAGE

2½ lbs. 30c; 5 lbs. 45c; 10 lbs. 85c; 25 lbs. \$1.55; postage extra.

### TOOLS AND IMPLEMENTS FOR THE GARDEN-FIELD-GROVE-YARD

We have in stock at all times a wide range of best quality tools, implements and general sundries necessary for the successful upkeep of gardens, farms and pleasure grounds.

We shall be happy to quote you on any tool or implement you may need. Your correspondence is invited.

# Grow Bigger, Finer Vegetables and Flowers With These Germāco Garden Aids

*Increase Yield in Your Victory Garden*

## Control Garden Pests With this Quick New Streamlined



### HARCO SPRAYER

Plants blighted? Prevent and kill destructive pests with proven HARCO quart size hand sprayer, with five

completely new 1943 features. Only professional-type Sprayer priced so low. Long extension rod quickly sends insecticides onto tops of tall shrubs, reaches undersides of small plants, penetrates hard-to-reach places—easy to use. Durable made, trouble-free. No dripping. Attractive, colorful. Sprays up, down, sideways, without adjustment. Enjoy a healthy garden—win praise for its beauty.

ONLY \$2.35. Postpaid, \$2.50.

## Earlier, Hardier Plants with HOTKAPS

Protect Your Garden  
Against Rain, Wind,  
Bugs, Frost.

Do as successful market growers do: Place patented Germaco HOTKAPS — strong little hot-houses — over seeds (or over plants when transplanting). Completely protect from destructive frosts, storms, insects—maintain perfect mulch. Increase yield from 18 to 51 per cent, ripen plants three weeks earlier. Quick, easy to set, instructions on package. 25 Hotkaps, 50c (postpaid 65c); 100, with setter, \$1.95 (postpaid \$2.15); 250, with setter, \$3.50 (postpaid \$3.75). Ease everyone with first vegetables, flowers. Buy Germaco HOTKAPS from us today. MARKET GROWERS: GERMACO HOTKAPS help you have sure crops, highest out-of-season prices, bigger profits.

1000 for only \$11.00, postage extra.  
Weight 28 lbs. Write for quantity prices.



## SUPPORT PLANTS Quickly, Neatly, Permanently



### with TWIST-EMS

Say "goodbuy" to unsightly twine and raffia, to needless work with shears. Say "hello" to TWIST-EMS, to gardening fun, to lovely plants neatly and properly supported. TWIST-EMS — strong dark-green "invisible" tapes with wire reinforce—protect stems, permanently support annuals, perennials, vines, shrubs and vegetables. Grand for flower arrangement. Millions used by successful nurserymen, professional and amateur gardeners. Order today.

Postpaid  
(B) Box of 125, 8-inch size..... 25c  
(C) Box of 250, 4-inch size..... 25c  
(D) Box of 125, 16-inch size..... 50c

## Self-Mixing Sprayer For the Small Garden

### HAYES-ETTE GARDEN ROSE SPRAYER



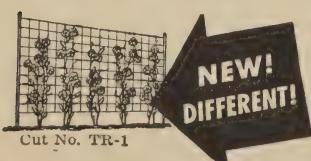
AT LAST! A compact, little bantamweight that efficiently does the work of many larger sprayers. Weight just a little over a pound, filled. Simply attach to garden hose, lightly press the new No-Leak Thumb Button—that's all! Operates on 20 to 150-pound water pressure. Capacity 1½ gallons of mixed spray material. Sprays all modern liquid spray materials free from soaps. Ideal for use with spray kits.

ONLY \$2.95. Postpaid for \$3.10.

## NEW Weatherized TRELLIS Netting

Ideal support for SWEET PEAS, GARDEN PEAS, POLE BEANS, CUCUMBERS, TOMATOES. TRAIN-ETTS grows finer, larger flowers and vegetables. Hung with ease in 5 minutes; no fuss or bother. Use instead of string or wire. (Wire in sun burns delicate tendrils.) Doesn't rot like string—lasts several seasons.

In 3 sizes: No. 1, 60x72 in., 39c; No. 2, 60x96 in., 49c; No. 3, 60x180 in., 69c.  
Postpaid.



Cut No. TR-1

# FIELD AND GARDEN SUPPLIES

## Citrus Picking Bags

No. 5-3/4 Box size, \$3.50, postpaid \$3.75.  
No. 5-4/4 Box size, \$3.75, postpaid \$4.00.

**TREE LABELS**—Copper wired, painted, 3 1/2 in. long. 100, 45c; 1000, \$4.00, postpaid.

**POT LABELS**—Painted. 100 (4 in.) 35c; 100 (6 in.) 50c; 1000 (4 in.) \$2.75; 1000 (6 in.) \$4.00, postpaid.

**EX PAN PLANTING POTS**—Made of tar paper for growing early vegetable plants for transplanting to the field. 2x2x4, per 100, 75c; per 1,000, \$3.00. 3x3x4, per 100, \$1.00; per 1,000, \$7.00, f.o.b. Phoenix.

**PRUNING COMPOUND**—**TREE HEAL**—For covering fresh cuts or bruises on trees. Will aid nature in healing wounds without retarding the growth. Valuable for citrus trees. 1 pt. 30c, qt. 50c, gal. can \$1.50, postage extra.

**TREE TANGLEFOOT**—Protection from climbing insects. 1 lb. can 75c, 5 lbs. \$3.50, 10 lbs. \$6.50, postage extra.

**PERFORATED TREE PROTECTORS**—For protecting trees from frost, insects, etc.

Weight	Price	Per 1000	Per 100	Per 1000
12 in. ....	75 lbs.	\$1.50	\$12.00	
18 in. ....	125 lbs.	1.75	16.00	
24 in. ....	150 lbs.	2.00	19.00	

F.O.B. Phoenix, postage extra.

**RAFFIA**—Its principal use is for tying vines, flowers, asparagus, carrots and celery bunches and for grafting. Natural color is light straw. 1 lb. 60c, 5 lbs. \$2.50, postpaid. Ask for quantity price in bale lots.

**GRAFTING WAX**—1/4 lb. 25c, 1/2 lb. 40c, 1 lb. 85c, postpaid.

**BUDGING CLOTH**—\$1.00 yard, postpaid.

**SPHAGNUM MOSS**—For packing. Per bale, \$4.00, f.o.b. Phoenix.

**GREEN MOSS**—For lining hanging baskets. Per lb. 50c, postpaid. Write for bale prices.



**PEAT MOSS** is a valuable soil improver for all horticultural purposes. It consists chiefly of decomposed vegetable or organic matter and increases the humus content of the soil. It absorbs ten times its weight in water, releasing it for the plants in periods of drought. Use Peat Moss liberally on flower and vegetable gardens and on lawns. Mulch roses, fruit trees, etc., to conserve moisture. A bale of Peat Moss when loosened will cover 700 square feet. Carton of 3 bu. \$2.00; bale, \$4.00, f.o.b. Phoenix.

## DOGZOFF

Discourages dogs—keeps them from places where they are not wanted.



## ANT POISONS

### Liefgreen's Ant Poison

For large red ants in the yard or field. In powder form, very effective. 1 lb. 25c, postpaid 35c; 5 lbs. \$1.00, postpaid \$1.15; 10 lbs. \$1.75, postpaid \$1.95.

### Cyanogas

Dust or granular form—for large red ants, etc. 1 lb. can, 70c; 5 lb. can, \$2.50; 25 lb. drum, \$8.50, postage extra.

# SPRAYERS, DUSTERS AND SUPPLIES



**HUDSON PERFECTION SPRAYER** No. 210-G—**GALVANIZED TANK**. Capacity 4 gallons. Complete with brass extension rod and adjustable brass nozzle. Price \$9.30, postpaid \$9.75.

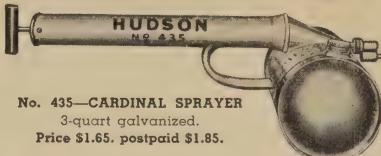
**HUDSON THRIFTY SPRAYER** No. 120-G—**GALVANIZED TANK** with funnel top. Capacity 2 1/2 gallons. Complete with 21-inch brass extension rod and shut-off valve and brass nozzle. Price \$4.85, postpaid \$5.15.

### CHAMPION SPRAYER

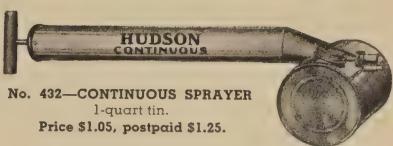
An all-copper sprayer adapted for truck and home gardeners. It can be filled to capacity and discharged to the last drop, maintaining an even high pressure, without stopping. Capacity 4 gal. \$25.00, f.o.b. Phoenix.



No. 452—**HUDSON MISTY SPRAYER**  
1-quart tin.  
Price 60c, postpaid 75c.



No. 435—**CARDINAL SPRAYER**  
3-quart galvanized.  
Price \$1.65, postpaid \$1.85.



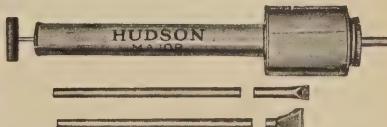
No. 432—**CONTINUOUS SPRAYER**  
1-quart tin.  
Price \$1.05, postpaid \$1.25.

## Champion Duster

The Champion Duster is unquestionably the ultimate in satisfactory performance. It is a real duster that will effectively apply all powders, dust, and sulphur, in the most scientific and economical manner. For real satisfaction use a Champion. Capacity, 22 pounds. Price \$24.00, f.o.b. Phoenix.



No. 664—**HUDSON ADJUNCT DUSTER**  
Price 70c, postpaid 85c.



No. 665—**HUDSON MAJOR DUSTER**  
Price \$1.15, postpaid \$1.30.



## Dead Sure Rodent Destroyer

This rodent destroyer is in the form of a paper cartridge. After setting the fuse alight, place the cartridge down the burrow and the pests are gassed. Package of 1 dozen, 75c, postpaid 85c doz.

## Gator Roach Hives



We recommend this roach killer. It is not MESSY or WASTEFUL. Clean, convenient and effective for months. Guaranteed by Good Housekeeping as advertised therein. One pkg. of 3 hives, 40c; 3 pkgs. \$1.10, postpaid.



## Gopher-Gas Balls

Are used by lighting and rolling into the burrows of the gopher, the same as the Gopher Candle. Per doz. 60c postpaid; box of 125, f.o.b. Phoenix, \$4.50; postpaid, \$4.75.

# Liefgreen's Insecticides and Spray Materials



## DESTRUXOL PRODUCTS

### Destruxol Spray

A contact and fumigating spray for aphids, thrips, mealy bugs, etc., does not injure flowers or foliage. Especially desirable for spraying vegetables as it leaves no residue. One ounce makes 3 to 5 gallons of spray. 1 oz. 35c, postpaid 40c; 4 oz. 95c, postpaid \$1.05.



### Super Destruxol Emulsion

(Contains Nicotine)

A staple oil emulsion containing vegetable, mineral and organic oils combined with free Nicotine; controls insect life by suffocation, penetration and by contact; is effective against scale, mealy bug, red spider, etc.

8 oz. 45c, postpaid 55c; 1 qt. \$1.15, postpaid \$1.35; 1 gallon \$2.50, postpaid extra.



### Fungusol Emulsion

A combination of oils, ether, copper and free nicotine; is both an insecticide and fungicide; especially recommended for the control of rust, mildew, aphids, thrip, rot and blight.

4 oz. 40c, postpaid 50c; 8 oz. 60c; postpaid 70c; 1 pt. 90c, postpaid \$1.00; 1 qt. \$1.50, postpaid \$1.65.



### Lawn-a-Gen

Combined various ethers with metallic copper, soluble in water; for the control of underground soil pests of certain types; the copper content is effective against fungus diseases that frequently follow underground insect depredation.

4 oz. bot. 50c, postpaid 60c; 8 oz. bot. 90c, postpaid \$1.00; 1 pint bottle \$1.50, postpaid \$1.65.

1 qt. bottle \$2.50; 1 gal. bottle \$7.00, f.o.b. Phoenix.



### BORER - SOL

An ether non-oil emulsion for the elimination of Borers from trees or shrubs. It effects its purpose without the slightest injury to plant life and without sterilizing the soil.

4 oz. bot. 35c, postpaid 45c; 8 oz. bot. 50c, postpaid 60c  
1 pint bottle 75c, postpaid 85c.



### Destruxol Pyretoxide Dust No. 15

A dust composed of essential oils of Pyrethrum combined with dusting sulphur and a carrier. Effective against both sucking and chewing insects such as Diabrotica and similar beetles, Squash Bug, Cabbage worms, Thrips, and others, and mildew. Leaves no undesirable residue.

2 lb. 60c, 5 lb. \$1.25, 10 lb. \$2.40, 25 lb. \$5.00, 50 lb. \$9.25, 100 lb. \$18.50, f.o.b. Phoenix; add postage.



## WHICH DO YOU WANT?

THIS



OR



THIS

The hormones and vitamins (B, and others) found together only in

## TRANSPLANTONE

THE HORMONE-VITAMIN POWDER

Stop the shock and wilt usually inevitable after transplanting all kinds of plants. Simple, Safe, Economical to use. 1/2 oz. packet 25c, 1 oz. can 50c, 3 oz. can \$1.00, 1 lb. can \$4.00.

## DUSTING MATERIALS

### Powdered Tobacco

A tobacco dust containing 1% Nicotine expressed as alkaloid. A contact and repellent. Suitable for control of aphids and soft-bodied insects if dusted when plants are damp. Used as a mulch in pots, window boxes and greenhouse benches to repel and to give control of some root-feeding insects and others that complete their development in soil before climbing plants to feed. Used for strawberry Rootworm and Rose Midge. Used for mixing with poultry feed for control of Round Worm in chickens and turkeys.

1-lb. canister ..... 25c, postpaid 35c  
5-lb. bags ..... 65c, postpaid 80c



### Super-Calcium Adhesive Dust Mixture

Special dust for lettuce, peas, tomatoes, etc. For control of many chewing insects including lettuce loopers, alfalfa loopers, pea worms, tomato fruit worms, and corn ear worms. 1 lb. 25c, postpaid 35c; 5 lbs. \$1.00, postpaid \$1.15; 10 lbs. \$1.75, postpaid \$1.90; 50 lbs. bags, \$4.00; 100 lbs. \$7.50.

### Nicotine Dust

Ten per cent Black Leaf 40 in dust form. 1 lb. 50c, postpaid 60c; 5 lbs. \$1.60, postpaid \$1.80; 25 lb. drum, \$4.70; 50 lb. drum, \$8.80; 100 lb. drum, \$16.50.

### Super Electric Dusting Sulphur

Used principally to control and prevent mildew on grapes, roses, melons, vines, etc. 1 lb. 10c, postpaid 20c; 10 lbs. 75c, postpaid 90c; 50 lbs. \$2.25; 100 lbs. \$4.25. Write for quantity prices.

## LIQUID SPRAYS

### Black Leaf 40

A 40% nicotine solution for the control of plant lice or aphids on roses and other garden plants. Must be applied in vapor form with a spray pump.

1 oz. 35c, postpaid 40c; 5 oz. \$1.05, postpaid \$1.15; 1 lb. \$2.50, postpaid \$2.65; 2 lbs. \$3.70, 5 lbs. \$6.90, 10 lbs. \$11.65.



### Red Arrow

Kills chewing and sucking insects safely—contains Pyrethrum, Derris and soap in convenient form. Mix in water according to directions and spray.

1 oz. 35c, postpaid 40c; 1/4 pt. \$1.00, postpaid \$1.10; 1 pt. \$2.85, postpaid \$2.95; 1 qt. \$5.40, postpaid \$5.55.

### Bordeaux Mixture

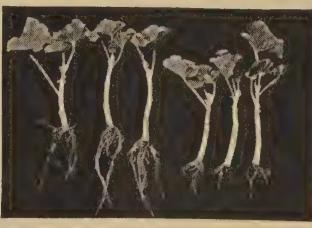
A Copper-Sulfate and Lime mixture (12 1/4% Copper), the standard control for fungus diseases (Blight, Rust, Wilt and Mildew) on vegetables, flowers, fruit and shade trees. Mixed with water, 8 pounds to 50 gallons gives equivalent of 4-4-50 Bordeaux.

1 lb. ..... 35c, postpaid 45c  
4 lbs. ..... 75c, postpaid 95c



## ROOTONE

Reg. U. S. Pat. Off.



Geranium Cuttings—Treated and Untreated

ROOTONE, the plant hormone powder. Dip cuttings in Rootone before planting to give faster, better, more successful rooting. Mix flower, vegetable or grass seed with Rootone before planting to give faster growth and stronger roots. Easy to use. 1/4 oz. packet 25c. 2 oz. jar \$1.00. 1 lb. can \$5.00.

ORTHO  
REG. U. S. PAT. OFF.

# GARDEN & HOME

## PRODUCTS

A More  
Beautiful  
GARDEN  
To work in . . . To talk  
about . . . To show your friends  
INSURE SUCCESS  
WITH ADEQUATE PROTECTION

### ANT-B-GON



Dispensers  
Feed alluring,  
uncontaminated  
Poison constantly

For Argentine and sweets-eating ants. One or two sets of dispensers are enough for average home.

Set of four 1-oz. Dispensers.....60¢

Ant Poison to refill dispensers (Refill every three to four weeks):

4-oz. Bottle....20¢ 16-oz. Bottle....50¢  
1/2-gallon Bottle.....\$1.50

**BUG-GETA BAIT.** The sensational bait that attracts and kills Slugs, Snails, Cutworms, Sowbugs, Earwigs, Grasshoppers and Strawberry Root Weevil.

1-lb. Carton.....\$.25 12-lb. Bag....\$1.75  
2 1/2-lb. Carton....\$.50 30-lb. Bag....3.75  
6-lb. Carton.....1.00

**EXTRAX Insect Spray.** The complete, easy to use, home garden insecticide. Use it on vegetables, too. For use against Aphids and many other garden insects. Economical—most dosages use one teaspoonful to a gallon of water.

1-oz. Bottle....\$.35 16-oz. Bottle....\$2.75  
4-oz. Bottle....1.00 1/2-gal. Bottle....7.95

**GREENOL Liquid Fungicide.** For Powdery Rose Mildew. Contains Spreading and Wetting agents. Use with "EXTRAX" for combination insect and disease spray. 16 ozs. makes 100 gals. diluted spray.

1-oz. Bottle....\$.35 16-oz. Bottle....\$.50  
4-oz. Bottle....\$.60 1/2-gal. Bottle....3.95

### SCRAM

#### DOG REPELLENT

A special powder used to keep dogs away from shrubs, flowers, lawns, store fronts, porches, etc. Easy to use. Does not harm animals.

8-oz. Shaker.....49¢



**VOLCK** Nursery & Garden Spray. Envelopes, penetrates and smothers sucking insects like Scale, White Fly, Mealybug and Red Spider. Also a spray carrier and supporting agent for other sprays. Generally diluted 4 tsp. to 1/3 pt. per gallon.

4-oz. Bottle....25¢ 1/2-gal. Bottle....\$.25  
16-oz. Bottle....50¢ 5 gallons.....5.00

**GARDEN VOLCK Spray.** Has a penetrating "VOLCK" base. Contains Nicotine which increases insecticidal value for more complete spray against sucking insects. Not a spray carrier.

4-oz. Bottle....35¢ 1/2-gal. Bottle....\$2.50  
16-oz. Bottle....85¢ 5 gallons.....10.00

### ORTHO ROSE SPRAY KIT

SPECIAL COMBINATION OFFER. Contains 2-oz. bottle "EXTRAX" for Aphids and other insects and 2-oz. bottle "GREENOL" for use against Powdery Rose Mildew. Makes 12 gallons spray. Complete Kit.....\$1.00

**KLEENUP Winter Spray.** An emulsive Oil Spray for use against certain Scale Insects during dormant season. Use with Bordeaux Mixture against Peach Leaf Curl and Peach Blight.

16-oz. Bottle....39¢ 5 gallons.....\$4.95  
1/2-gal. Bottle....85¢

**CONTAX Pruning Paint.** Protect all cuts with this modern plastic pruning and grafting composition.

1-pt.....35¢ 1-qt.....60¢

**CALTOX Insecticide Dust.** Shaker carton makes it easy to use against Sowbugs, certain Beetles, Caterpillars and Worms. 8-oz. Shaker.....35¢ 20-ozs.....60¢

**ORTHO Rodent Destroyer.** Kills Gophers, Rats, Squirrels and Mice. Made by patented formula. Strychnine is impregnated in grain and fruit pellets . . . Poison doesn't wash out.

6-oz. Carton....30¢ 1-lb. Carton....60¢

### NEW! BUG-GETA PELLETS Compressed BAIT



For use against Snails, Slugs, Cutworms, Sowbugs, Earwigs, Grasshoppers and Strawberry Root Weevil. Half as much bait goes twice as far . . . Easier to use—just scatter on wet ground—cleaner to handle and more economical.

12-oz. Carton....\$.25 5-lb. Carton....\$1.00  
2-lb. Carton....50¢ 25-lb. Bag....3.60

**ORTHO EARWORMICIDE.** It costs only 35¢ and takes very little effort to keep the worms out of 120 ears of sweet corn. Leaves no objectionable residue.

4-oz. Bottle....35¢ 16-oz. Bottle....75¢

**ORTHO Earwig Bait.** Guard against Earwig infestations which can become a menace to health. Prepared on a government formula.

2 1/2-lb. Bag.....50¢ 6-lb. Bag....\$1.00

**OTHER FAMOUS SPRAY PRODUCTS**

FLOTOX Sulfur....26-oz....25¢ 4 lbs. 50¢

Bordeaux Mixture. 1-lb. 35¢ 4 lbs. 90¢

Calcium Arsenate 1-lb. 25¢ 4 lbs. 60¢

Lead Arsenate

(Basic).....1-lb. 35¢ 4 lbs. 90¢

Lead Arsenate

(Standard).....4 lbs. 90¢



### BOTANO GARDEN DUST

"151." A multipurpose

pesticide for use against Aphids and many other insects and diseases. Duster package, pumps dust right on the plants. Gardeners like it for vegetables because it leaves no poisonous residue.

10-oz. Duster.....49¢

20-oz. Refill Carton....79¢

## THESE ARE THE "MUST HAVES" FOR EVERY GARDEN

### "EXTRAX"

for use against  
NUMEROUS  
GARDEN INSECTS

### "GREENOL"

for use against  
POWDERY  
ROSE MILDEW

### "BUG-GETA"

for use against  
SLUGS, SNAILS  
CUTWORMS

### "ANT-B-GON"

for use against  
ARGENTINE AND  
SWEETS-EATING ANTS

ALSO ASK FOR *Free "ORTHO" GARDEN SPRAY GUIDE*

NOTE: All items on this page can be sent Parcel Post or Express at purchaser's expense. Postage must be included when parcel post shipment is requested. See schedule page 22.

# Liefgreen's Bulbs for Quick, Showy Summer Bloom

## ANEMONE BULBS

These lovely flowers are deservedly popular. With an exceedingly wide range of color and color combinations, and an adaptability for both forcing and outdoor planting, the Anemone is a most useful and satisfactory flower. The plants thrive best in a rather rich, sandy loam, but will do well in most any well-drained soil.

SEND A FEW TO YOUR EASTERN FRIENDS

### Monarch De Caen

A magnificent robust growing strain of Poppy Anemone with immense saucer shaped flowers of the most brilliant and varied colors from pink to beautiful shades of blue and brilliant scarlet, borne on long strong stems. Bulbs are small but produce a flower of amazing size.

#### MONARCH DE CAEN

Mixed Colors

JUMBO SIZE— $\frac{3}{4}$  to  $\frac{7}{8}$  inch—75c per dozen; \$4.50 per 100.  
No. 1 SIZE— $\frac{5}{8}$  to  $\frac{3}{4}$  inch—50c per dozen; \$3.00 per 100.  
No. 2 SIZE— $\frac{1}{2}$  to  $\frac{5}{8}$  inch—25c per dozen; \$1.75 per 100.

#### ANEMONE—ST. BRIGID "CREIGH CASTLE"

Mixed Colors

Large semi-double flowers of the most brilliant hues and delicate shades and colors, including a good proportion of rose, pinks, lavenders and blues.

JUMBO SIZE— $\frac{3}{4}$  to  $\frac{7}{8}$  inch—85c per dozen; \$6.00 per 100.  
No. 1 SIZE— $\frac{5}{8}$  to  $\frac{3}{4}$  inch—65c per dozen; \$4.00 per 100.

All bulbs sent postpaid.



Top Size  
 $\frac{3}{4}$  to  $\frac{7}{8}$  inch



No. 1 Size N  
 $\frac{5}{8}$  to  $\frac{3}{4}$  inch



No. 2 Size  
 $\frac{1}{2}$  to  $\frac{5}{8}$  inch



Jumbo—1 in. up



Jumbo Size  
 $\frac{3}{4}$  to  $\frac{7}{8}$  inch

Ranunculus bulb (left) and Anemone (above). Actual size shown in the position they are to be planted. Cover with 2 inches of light sandy soil.

## Vines Are Essential to the Home Beautiful

### Vines Specially Selected for Their Adaptability to Arizona Climate

Plant all vine seed and bulbous roots in the spring after all danger of frost, and continue to plant during the summer months. Provides restful shade and quick and attractive covering for fence, trellis, and bare walls. Vines planted for a profusion of blooms should be fertilized only lightly; for luxuriant foliage soil may be quite rich.

#### Morning Glories

SCARLETT O'HARA—Beautiful rich dark wine color. Early blooms. Pkt. 20c,  $\frac{1}{8}$  oz. 50c.

CLARK'S HEAVENLY BLUE—Sky blue with golden throat. Early. Pkt. 15c,  $\frac{1}{4}$  oz. 40c.

FINEST TALL, MIXED—Shades of rose, blue and white. Pkt. 10c, oz. 25c.

IMPERIAL JAPANESE—Variety of colors beautifully shaded. Pkt. 10c, oz. 35c.

#### Madeira Vines

One of the best and most popular climbers for foliage effect. Increases very rapidly. Large tubers, 15c each, \$1.25 dozen; medium size, 10c each, \$1.00 dozen; small size, 5c each, 50c dozen, postpaid.

Available only during the spring and early summer months.

#### QUICK GROWING CLIMBERS AND SHADE VINES

**Alamo** — Mile a Minute  
Annual. Grown for foliage only.  
Pkt. 10c,  $\frac{1}{2}$  oz. 30c, oz. 50c.

**Moon Flower**  
Annual. Large sweet scented.  
Bloom after sunset.  
**WHITE or BLUE**—Pkt. 10c, oz. 60c.

## RANUNCULUS BULBS

### GIANT TECOLOTE

Send a Few Ranunculus and Anemone Bulbs to a Friend

We prepay charges to any destination  
in the United States.

The Ranunculus and Anemone are not well known in the Eastern States. A gift of bulbs would be greatly appreciated by your Eastern flower-loving friends. Advise them to plant in a sunny location to hasten the flowering period. Red, orange, pink, gold and white shades.

In the Salt River Valley and similar climates, Ranunculus and Anemone Bulbs are planted during the months of September, October, November, December and January.

JUMBO SIZE—1 inch up. Extra large bulbs. Mixed colors.  
8c each; 85c per dozen; \$6.00 per 100.

TOP SIZE— $\frac{3}{4}$  to  $\frac{7}{8}$  inch. Large bulbs. Mixed colors.  
7c each; 75c per dozen; \$4.50 per 100.

No. 1 SIZE— $\frac{5}{8}$  to  $\frac{3}{4}$  inch. Mixed colors.  
5c each; 50c per dozen; \$3.00 per 100.

No. 2 SIZE— $\frac{1}{2}$  to  $\frac{5}{8}$  inch. Mixed colors.  
5c for 2 bulbs; 25c per dozen; \$1.75 per 100.



### FOR BEAUTIFUL BLOOMS AND FOLIAGE

#### Antigonon Leptopus (Queen's Wreath)

Perennial. Grows from seed or bulbous roots. It is cut back by frost but renewes its growth more luxuriantly each year. Bears lovely rose-pink wreath-like blossoms during the late summer and fall months.

SEED—Pkt. 10c.

BULBOUS ROOTS—(Spring months only.) Large size, 50c each, postpaid.

#### Other Vines Popular and Decorative

(All annual unless listed perennial.)

**AUSTRALIAN PEA VINE**—Small rose purple blossoms.

**BALLOON VINE**—Bears a pretty inflated white and green capsule.

**BALSAM APPLE**—Yellow flowers, ornamental warty yellow fruit.

**CYPRESS VINE**—Star-shaped scarlet and white flowers. Fine foliage.

**CARDINAL CLIMBER**—Bright red flowers. Attractive foliage.

**COBOEA SCANDENS (CUP AND SAUCER VINE)**—Perennial. Flowers large, bell-shaped, deep purple in color.

**HYACINTH BEAN (DOLICHOS)**—Purple and white flowers followed by ornamental seed pods. Very popular. Fast growth.

**JAPANESE HOP (HUMULUS)**—Luxuriant foliage for dense rapid growth.

**KUDZU VINE**—Perennial. Quick growing. Large attractive leaves.

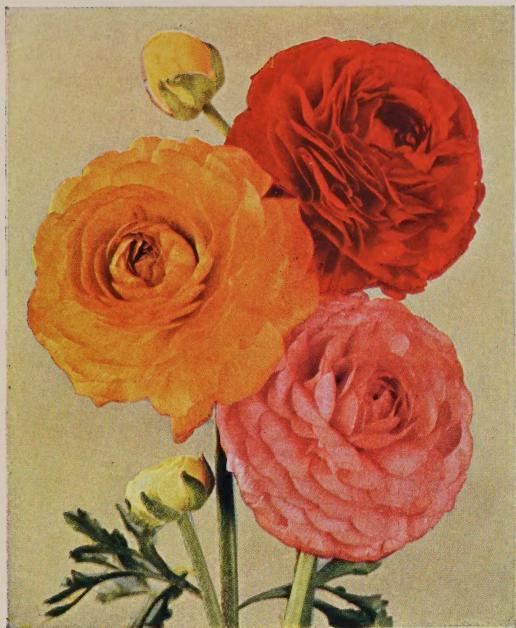
**PASSION FLOWER**—Nice foliage growth but few flowers in Arizona.

**ASPARAGUS PLUMOSUS**—Perennial. Fine feathery foliage, used extensively for green in cut flowers. Sow seed before planting.

**WILD CUCUMBER**—Small white fragrant flowers followed by ornamental seed pods.

All of the above: 10c per pkt.

# Bulbs and Vines for Colorful Gardens

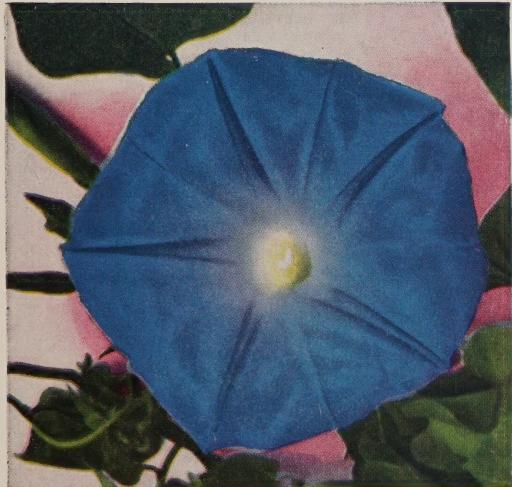


**RANUNCULUS**

For delicacy of form and brilliance of color from white through yellow to red, the large flowered Ranunculus is outstanding. Large bulbs produce many gorgeous flowers each, and smaller bulbs fewer according to their size. Plant from September to January for late winter and spring bloom.

OUR 1943 FALL CATALOG, listing Fall Bulbs, Flower, Vegetable and Grass Seeds, will be issued for September distribution.

WRITE FOR YOUR COPY



**VINES ARE ESSENTIAL TO THE HOME GARDEN**

Morning Glories never cease to be charming, either twining over a fence or on some other support. They display their lovely blooms out in the sun against a background of pleasing green foliage.

Clark's Heavenly Blue—Sky blue with a golden throat. Pkt. 15c.



**ANEMONE, MONARCH DE CAEN**

We offer the strongest growing type with immense saucer-shaped flowers. Fine for cutting. Anemones combine well with Ranunculus, which flower at the same time. Plant in front of Ranunculus or by themselves for a showy bed.



Scarlett O'Hara—Beautiful rich wine red. Pkt. 20c.

# Selected Flowers for Colorful Summer Gardens



**COSMOS, SENSATION PINKIE**

A tall well branched annual providing quantities of large bright pink flowers all summer. Pkt. 15c.



**GAILLARDIA, THE DAZZLER**

Sunshine and warmth bring out the glory of this vivid flower. Of medium height, the bright golden yellow flowers have orange red centers. Pkt. 15c.



**SALVIA, SCARLET SAGE**

One of the most brilliant of all flowers for bedding. Fiery red. Medium height. Pkt. 25c, 5 pkts. \$1.00.



**PORTULACA, DOUBLE MIXED**

One of the best low growing plants for dry sunny places. Six inches in height and profuse with its double blooms. Wide color range. Pkt. 20c, 1/8 oz. 70c, 1/4 oz. \$1.25, oz. \$3.50.



**HELIANTHUS, SUNGOLD (SUNFLOWER)**

Massive bright golden yellow, very double flowers on 3 to 4 foot stems. Good foliage, strong stems for cutting. Very striking and showy. Pkt. 10c, 1/2 oz. 35c, oz. 60c.



**VINCA ROSEA, PERIWINKLE**

Lovely dark glossy green foliage and an abundance of phlox-like flowers in either pink or white. Mixed colors. Pkt. 15c, 1/4 oz. 50c.

# Liefgreen's Monthly Planting Guide

## FOR THE SALT RIVER VALLEY AND SIMILAR CLIMATES

For the colder sections of Arizona, the time of planting should be determined by the weather conditions. In Northern Arizona and in the higher altitudes, most of the varieties listed here should be planted in the spring, after all danger of frost.

All seeds listed herein are particularly adapted to any section of the United States as well as Arizona, if planted during the proper planting season. You can make your purchases with full confidence.

### February Planting List

**FLOWER SEEDS:** Alyssum, African Daisy, Africanum, Anemone, Anagallis, Asparagus Fern, Asters, Bachelor Button, Balsam, Browallia, Calendula, Carnation, Candytuft, Caliopsis, Centaurea, Chrysanthemum, Coreopsis, Cactus, Columbine, Cosmos, Clarkia, Canina, Dahlia, Euphorbia, Evening Primrose, Four O'clock, Gaillardia, Gypsophila, Gerbera, Geum, Geranium, Gourds (protected), Hollyhock, Helichrysum, Kochia, Lantana, Morning Glory, Marigolds, Nasturtium, Nicotiana, Petunia, Portulaca, Shasta Daisy, Sun Flower, Tithonia, Vine Seeds, Vinca, Verbena, Woolflower, Zinnia.

**FLOWER PLANTS:** In season.

**BULBS AND ROOTS:** Agapanthus, Cannna, Caladium, Gerbera, Madeira Vine, Tuberoses, Queen's Wreath Vine.

**VEGETABLE SEEDS:** Asparagus, Beets, Beets, Celery, Corn, Cucumber, Egg Plant, Endive, Herbs, Kale, Kohlrabi, Leaf Lettuce, Leek, Melons, Okra, Peppers, Peanuts, Pumpkin, Radish, Squash, Swiss Chard, Tomato.

**VEGETABLE PLANTS, ROOTS AND TUBERS:** Artichoke, Asparagus Roots, Egg Plant, Onion Sets, Irish Potatoes (in higher altitudes), Sweet Potato Plants, Peppers, Rhubarb Roots, Strawberry Plants, Tomatoes.

**LAWN SEED:** Bermuda Grass Seed.

**FIELD SEEDS:** Corn, Cowpeas, Millet, Milo Maize, Hegeri, Sorghums, Sudan Grass, Bassia Grass, Sesbania, Field and Pasture

Grasses (in higher altitudes).

### May and June Planting List

**FLOWER SEEDS:** Amaranthus, Asparagus Fern, Celosias (Cockscomb), Cactus, Castor Bean, Cosmos, Gourds, Gaillardia, Kochia, Lantana, Morning Glory, Marigolds, Nasturtium, Nicotiana, Portulaca, Shasta Daisy, Sunflower, Tithonia, Vine Seeds, Vinca, Verbena, Zinnia.

**FLOWER PLANTS:** In season.

**BULBS AND ROOTS:** In season—Canna, Caladium, Madeira Vine, Tuberoses, Queen's Wreath

Vine.

**VEGETABLE SEEDS:** Asparagus, Beets, Beans, Celery, Corn, Kale, Melons, Swiss Chard, Peanuts, Peppers, Pumpkin, Squash, Tomato.

**VEGETABLE PLANTS AND ROOTS:** Asparagus Roots, Artichoke, Egg Plant, Peppers, Sweet Potato Plants, Tomato.

**LAWN SEED:** Bermuda Grass Seed.

**FIELD SEEDS:** Cowpeas, Millet, Milo Maize, Hegeri, Sorghums, Sudan Grass, Corn, Sesbania, Bermuda for pasture.

### July Planting List

**FLOWER SEEDS:** Cosmos, Celosia (Cockscomb), Cactus, Castor Bean, Gourds, Gaillardia, Lantana, Marigold, Morning Glory, Nicotiana, Portulaca, Shasta Daisy, Sun Flower, Tithonia, Vinca, Vine Seeds, Zinnia.

**FLOWER PLANTS:** In season.

**VEGETABLE SEEDS:** Broccoli, Brussel Sprouts, Cabbage and Cauliflower Seeds in shaded beds, Casaba, Corn, Melons, Peanuts, Pumpkin, Squash, Tomato.

**VEGETABLE PLANTS AND ROOTS:** Egg Plant, Peppers, Tomato, Sweet Potato Plants.

**LAWN SEED:** Bermuda Grass Seed.

**FIELD SEEDS:** Bermuda Grass, Corn, Cowpeas, Millet, Milo Maize, Pink Beans, Sorghums, Sudan Grass, Sesbania.

### August Planting List

**FLOWER SEEDS:** Alyssum, African Daisy, Africanum, Anemone, Anagallis, Asparagus Fern, Balsam, Chrysanthemum, Cockcomb, Cactus, Castor Bean, Canna, Cosmos, Dahlia, Euphorbia, Four O'clocks, Gerbera, Geum, Gaillardia, Dwarf Marigolds, Nasturtium, Phlox, Portulaca, Tithonia, Virginian Stocks, Zinnia.

**FLOWER PLANTS:** In season.

**VEGETABLE SEEDS:** Beans, Beets, Broccoli, Brussel Sprouts, Cabbage, Cauliflower, Carrot, Early Corn, Cucumber, Kale, Peas, Pumpkin, Early Squash, Swiss Chard, Turnip, Rutabaga, Radish.

**VEGETABLE PLANTS:** Cabbage, Cauliflower, Onion Sets, Garlic Sets.

**LAWN SEED:** Bermuda Grass Seed.

**FIELD SEEDS:** Bermuda Grass, Corn, Cowpeas, Millet, Pink Beans (to about Aug. 10), Sudan Grass, Field and Pasture Grasses.

### September and October Planting List

**FLOWER SEEDS:** Alyssum, Ageratum, Arctotis, African Daisy, Anemone, Anagallis, Browallia, Bachelor Button, Calendula, Candytuft, Carnation, Caliopsis, Centaurea, Canterbury Bells, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Globe Amaranth, Gaillardia, Gypsophila, Godecia, Gerbera, Geum, Geranium, Hollyhock, Hunnemannia, Heliotrope, Larkspur, Linaria, Linum, Lupin, Lobelia, Mignonette, Moon Vine, Nemophila, Nicotiana, Nigella, Nosturtium (in early September), Painted Daisy, Pansy, Petunia, Phlox, Pinks, Poppies, Pyrethrum, Queen Anne's Lace, Ranunculus, Salpiglossis, Salvia, Scabiosa, Snapdragon, Stocks, Schizanthus, Sweet Peas, Sweet William, Shasta Daisy, Verbena, Virginian Stocks, Venidium, Wallflower, Wild Flowers, all Straw Flowers.

**FLOWER PLANTS IN SEASON:** We carry a complete stock of flower plants for early blooms.

**BULBS:** Amaryllis (October), Agapanthus (October), Anemone, Chinese Lily, Crocus, Calla Lily, Daffodils, Freesias, Hyacinths, Iris, Jonquils, Muscari, Paper White Narcissus, Ranunculus, Soleil d'Or, Ornithogalum (Star of Bethlehem), Tulips, Hardy Lilies (October).

**VEGETABLE SEEDS:** Beets, Broccoli, Brussel Sprouts, Cabbage, Cauliflower, Carrot, Collards, Cress, Endive, Herbs, Kale, Kohlrabi, Leek, Lettuce, Mustard, Onion, Parsley, Parsnip, Peas, Radish, Rutabaga, Salsify, Spinach, Swiss Chard, Turnip.

**VEGETABLE PLANTS AND ROOTS:** Cabbage, Cauliflower, Onion Sets, Garlic Sets, Rhubarb Roots, Asparagus Roots, Strawberry Plants.

**LAWN SEED:** Bermuda Grass (September), Blue Grass, Winter Rye Grass, White Dutch Clover, Poa Trivialis, Bent Grass, Red Top.

**FIELD SEEDS:** Alfalfa, Barley, Oats, Winter Rye Grain, Wheat, Field and Pasture Grasses.

### November, December and January Planting List

**FLOWER SEEDS:** Alyssum, African Daisy, Ageratum, Arctotis, Anemone, Anagallis, Bachelor Button, Browallia, Calendula, Canna, Candytuft, Carnation, Caliopsis, Centaurea, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Globe Amaranth, Gaillardia, Godecia, Geum, Geranium, Hollyhock, Linaria, Lupin, Lobelia, Mignonette, Painted Daisy, Pansy, Petunia, Phlox, Pinks, Pyrethrum, Poppies, Queen Anne's Lace, Ranunculus, Salpiglossis, Salvia, Schizanthus, Scabiosa, Snapdragon, Stocks, Sweet Peas, Sweet William, Verbena, Venidium, Virginian Stocks, Vinca, Wallflower, Wild Flowers, all Straw Flowers.

**FLOWER PLANTS:** Plant for early blooms.

**BULBS:** Amaryllis, Anemone, Agapanthus, Chinese Lilies, Crocus, Calla Lily, Daffodils, Freesias, Gladiolus, Hyacinths, Iris, Jonquils, all Hardy Lilies, Muscari, Paper White Narcissus, Ranunculus, Soleil d'Or, Ornithogalum (Star of Bethlehem), Tulips.

**VEGETABLE SEEDS:** Beets, Broccoli, Brussel Sprouts, Carrot, Cabbage, Cauliflower, Collards, Chives, Cress, Endive, Kale, Kohlrabi, Lettuce, Leek, Mustard, Onion, Parsley, Parsnip, Peas, Radish, Rutabaga, Salsify, Spinach, Turnip.

**PLANT UNDER COVER FOR EARLY CROP:** In December and January, Egg Plant, Pepper and Tomato.

**VEGETABLE PLANTS AND ROOTS:** Cabbage, Cauliflower, Onion Sets, Garlic Sets, Rhubarb Roots, Asparagus Roots, Strawberry Plants.

**LAWN SEEDS:** Rye Grass Seed, Blue Grass, White Dutch Clover, Poa Trivialis, Bent Grass, Red Top.

**FIELD SEEDS:** Alfalfa, Barley, Oats, Winter Rye, Wheat, Field and Pasture Grasses.

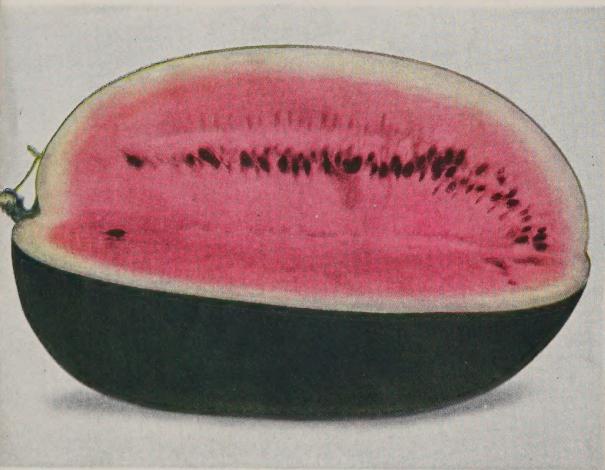
Plant Liefgreen's Selected and Tested Quality Seeds  
for the Victory Garden



Lettuce, Arizona Wonderful

The delicious, tight, crisp heads of lettuce so well known and grown in Arizona are, no doubt, of this variety. It is the best type we offer and is easily grown either commercially or in the home garden. Plant in a rich loamy soil for best growth. For further details see page 29. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 85c, lb. \$2.50, postpaid.

Seed is valuable and good seed deserves the best care possible, for with it better vegetables can be grown. Buy Liefgreen's vegetable seed and be sure of the best in quality.



Watermelon, Liefgreen's Black Seeded Klondike No. 3

Delicious sweet, tender melons with thin rich green skins can be grown in the home garden or in quantity for the market. It is an excellent shipper. Flesh bright red with characteristic small black seeds. Our seed is selected from perfect specimens only. Watermelons make good growth in the warm climate of Arizona. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, 1 lb. \$1.50, 5 lbs. \$5.50, 10 lbs. \$12.50, postpaid.

The second year of our participation in the war is well upon us and with it we will see a curtailment in growing certain vegetable crops. Many vegetables, once considered essential to all of us, will be restricted for the duration. This affects market gardeners whose burden of supplying essential vegetables is greater today than ever before. Every family with ground that can be planted should have a Victory garden in which he can grow many types of vegetables—those that are not restricted to help relieve the growers and transportation facilities and those that are restricted to make his meals at home more delicious and complete. His reward will be two-fold in that he will eat better food and in greater variety and he will make a valuable contribution toward winning the war. Vegetable gardening will be new to many so we offer some suggestions on pages 24 and 25 for better use of the space planted and methods of handling seeds.



Pole Beans, Kentucky Wonder

The most productive variety of pole bean for Arizona conditions is the Kentucky Wonder, which we offer in either white or brown seed forms. As a snap bean it is unsurpassed in tenderness and flavor. Equally a favorite with the market and home gardener. Pkt. 5c,  $\frac{1}{4}$  lb. 15c,  $\frac{1}{2}$  lb. 25c, lb. 45c, 10 lbs. \$4.00, postpaid.

...OR...

Quality Pays!

Shop at Liefgreen's where quality is first  
in every purchase.